

12 m

Scena – rzut z góry

Horyzont

7,7 m

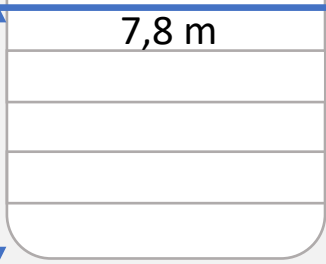
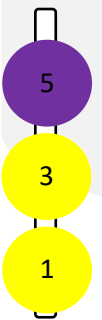
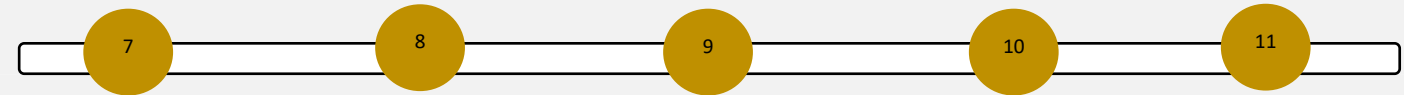
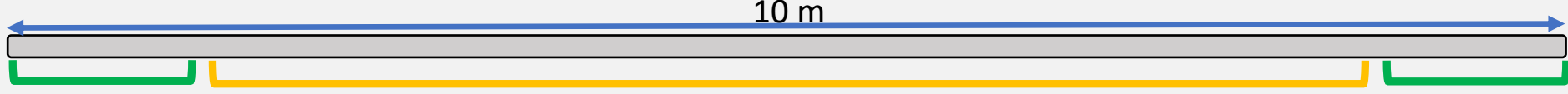
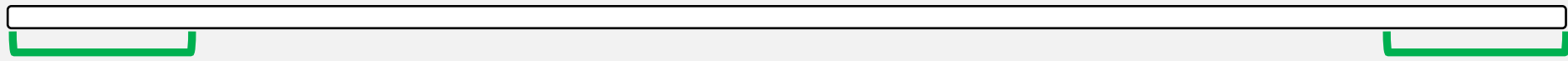
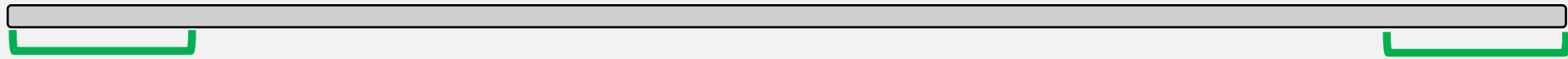
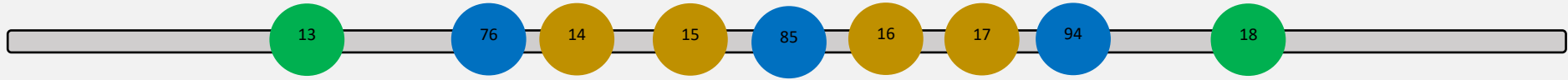
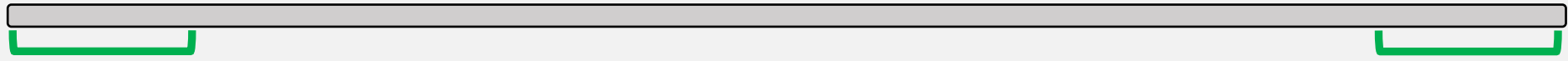
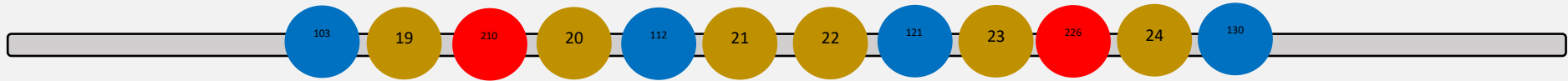
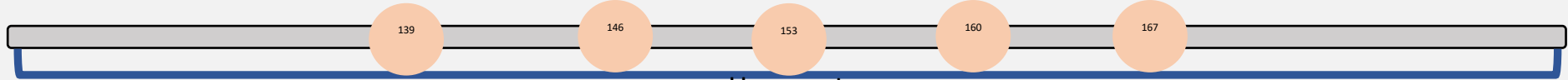
10 m

7,8 m

1,15 m

Front lewy

Front prawy





Schody



Ściana



Sztankiet – 10m



Fartuch boczny – kulisy 3m



Fartuch górny



Kurtyna grecka z napędem ręcznym



LED PAR RGBWA 7CH 150W



LED PAR RGB 7CH



Showtec Explorer 250 PRO



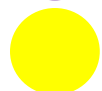
PAR 56 300/500W



PAR 64 1000W



PC 1000W



Fresnel 1000W

ZESTAWY GŁOŚNIKOWE

LP	Urządzenie	Model	Ilość	Opis
1	Kolumna szerokopasmowa	Mackie SA 1530z	2	Nagłośnienie FOH
2	Subwoofer	Mackie SWA 2801z	2	Nagłośnienie FOH
3	Monitor	Dynacord AXM 12a	3	
4	Monitor	HK Audio D.A.R.T.	2	
5	Kolumna szerokopasmowa	Pevaey PR 12P	2	
7	Monitory studyjne	Eve Audio SC208	2	

MIKSYERY

LP	Urządzenie	Model	Ilość	Opis
1	Mikser cyfrowy	Behringer X32	1	32 IN, 16 OUT
2	Mikser analogowy	Allen & Heath ZED 436	1	36 IN, 6 AUX OUT
3	Mikser analogowy	Allen & Heath ZED 16FX	1	16 IN, 3 AUX OUT
4	Stagebox	Behringer S32	1	32 IN, 16 OUT
5	Tablet	Apple iPad AIR	1	Sterowanie X32
6	Router	Asus RT-N66U	1	Sterowanie X32

MIKROFONY

LP	Urządzenie	Model	Ilość	Opis
1	Mikrofon dynamiczny	Shure SM58	6	
2	Mikrofon dynamiczny	Shure PG58	1	
3	Mikrofon dynamiczny	Shure SM57	3	
4	Mikrofon dynamiczny	Shure BETA 52A	1	
5	Mikrofon dynamiczny	Sennheiser e904	4	
6	Mikrofon pojemnościowy	Neumann KM184	2	Para stereo
7	Mikrofon pojemnościowy	Rode NT 5	2	Para stereo
8	Mikrofon pojemnościowy	Great Hon BM-800	3	Wielkomembranowy
9	Mikrofon dynamiczny	Shure GLXD24/SM58	1	Bezprzewodowy
10	Mikrofon dynamiczny	AKG WMS 40 MINI	1	Bezprzewodowy
11	Mikrofon dynamiczny	Sennheiser ME 3 + SK 100 G2 + ew100 G2	2	Mikroport
12	Mikrofon nagłówny	DPA 4066-OC-A-F00-LH	2	Beżowy
13	Mikrofon dynamiczny	Sennheiser EW 500 G4-935	2	Bezprzewodowy
14	Mikrofon pojemnościowy	Neumann TLM 103 MT	1	Wielkomembranowy
15	Mikrofon pojemnościowy	Neumann KMR 81i MT	1	Shotgun

STATYWY

LP	Urządzenie	Model	Ilość	Opis
1	Statyw mikrofonowy	Dynawid Widlicki SM-4210	8	Wysoki
2	Statyw mikrofonowy	Dynawid Widlicki SM-3200	4	Niski
3	Statyw mikrofonowy	Statyw Mikrofonowy SM-3400	3	Niski

PERYFERIA/PROCESSORY/INNE

LP	Urządzenie	Model	Ilość	Opis
1	DI-BOX	Behringer DI 20	2	Aktywny
2	DI-BOX	Klark Teknik DN 100	4	Aktywny
3	Procesor efektów	T.C. Electronic M350	1	
4	Kompresor	DBX 166XL	1	
5	Korektor graficzny	DBX 1231	1	
6	Karta dźwiękowa	Focusrite Scarlett 2i2 2	1	USB
7	Odtwarzacz CD	Reloop RMP-2660b	1	
8	Radioodtwarzacz	Sony CFD-S35CP	1	
9	Radioodtwarzacz	Philips AZ787	1	
10	Projektor	BenQ MP611	1	Złącze VGA
11	Ekran projekcyjny	3x2m	1	Przenośny
12	Pianino cyfrowe	Yamaha Clavinova CLP-265GP	1	
13	Interfejs Audio USB	Focusrite Clarett+ 4PRE	1	
14	Interfejs Audio USB	Focusrite Scarlett 2i2	1	

OŚWIETLENIE

LP	Urządzenie	Model	Ilość	Opis
1	PC	1000 W	2	10°-40°
2	Fresnel	1000 W	4	10°-40°
3	LED PAR	120 W - 5in1	11	RGBWA - 9CH
4	PAR 56	500 W	10	długi
5	PAR 56	500 W	4	krótki
6	PAR 64	1000 W	2	długi
7	Głowica ruchoma	Showtec Explorer 250 PRO MK II	2	
8	Dimmer	Showtec D-Pack 6 MK II Schuko	1	1000 W/CH
9	Dimmer	Eurolite DPX-610 S DMX	3	2300 W/CH
10	Dimmer	Eurolite EDX-4RT DMX RDM	1	1150W/CH
11	LED BAR	18x4W	5	RGBW - 4/8/72/76CH
12	Vintage	Evolights Vintage 500	4	DIM + RGB, 1/2/4/7 CH

13	Wytwornica dymu	ADJ Entour Venue	1	1/2/4 CH
14	Sterownik DMX	DTS Top 32	1	





DTS Top32



LED Stage Lighting Operating Manual

LED PAR Light

USER MANUAL

Thank you so much to choose this product; it is adopting the most advanced lamps, which is called LED lamps. It conquers a lot of disadvantages such as power wasting, short using life, high temperature, etc. It has advantages of power saving, long life (it can reach 60,000.00 hours in general circs), high brightness, fresh colors...It is the best stage illuminating and various effect decorative products.

DMX512Control: 8 Channel Model(A001)

CH	Display	Function
CH1	Dimmer	R、 G、 B、 W 、 Ydimmer : from dark to bright
CH2	R dimmer	R dimmer : from dark to bright
CH3	G dimmer	G dimmer : from dark to bright
CH4	B dimmer	B dimmer : from dark to bright
CH5	W dimmer	W dimmer: from dark to bright
CH6	Y dimmer	Y dimmer: from dark to bright
CH7	Strobe	R、 G、 B、 W、 Y strobe: from slow to fast
CH8	Function choice	0~50: DMX 8CH Control. 51~100: Different Colors Output 101~150: Colors Jump Change. 151~200: Colors Gradate. 201~250: Colors Pulse Change. 251~255: Sound-Active
CH9	Function speed	Speed function, from slow to fast

Channel	Function	Instruction
CH1	R Dimmer	Dimmer- Dark to Bright
CH2	G Dimmer	Dimmer- Dark to Bright
CH3	B Dimmer	Dimmer- Dark to Bright
CH4	W Dimmer	Dimmer- Dark to Bright
CH5	Y Dimmer	Dimmer- Dark to Bright

DMX512Control: 4Channel Model(D001)

FUNCTION:

No	Show	Function	Instruction
1	d001	DMX Address (001~512)	DMX-512 address set, 4 Channels mode
2	A001	DMX Address (001~512)	DMX-512 address set, 8 Channels mode
3	r255	Red (000~255)	UP、 DOWN Change brightness
4	G255	Green (000~255)	UP、 DOWN Change brightness
5	b255	Blue (000~255)	UP、 DOWN Change brightness
6	u255	white (000~255)	UP、 DOWN Change brightness
7	Y255	yellow (000~255)	UP、 DOWN Change brightness
8	FH99	Strobe flash (01~99)	UP、 DOWN Change the speed
9	CL01	Different Colors Output (01~08)	UP、 DOWN Change brightness
10	CC99	Colors Jump Change (01~99)	UP、 DOWN Change the speed
11	DE99	Colors Gradate (01~99)	UP、 DOWN Change the speed
12	CP99	Colors Pulse Change (01~99)	UP、 DOWN Change the speed
13	SU01	Colors sound-Active (01~09)	UP、 DOWN Change the effects

Technical:

Voltage: AC110-220V 50/60HZ

Power supply: 270W

Color: RGBWY 5IN1 LEDs

Channel:9/5CH

Operation: DMX512, Auto, Sound, Master-slave

9	r. 255	RED: 001-255
10	g. 255	GREEN: 001-255
11	b. 255	BLUE: 001-255
12	w. 255	WHITE: 001-255
1	F. 000	频闪模式
3		、频率调节: 000-255 (1-20Hz)

Maintenance

Regular maintenance of product, use alcohol cotton swabs defatted cleaning lenses, to optimize the efficacy output. Note don't use wetted cloth or other chemical solvents wipe lens. Depending on operating environment and use frequency to clean the light, suggest every 15 days clean again.

Warning

Please don't use eyes to see light directly.

In any installation and maintenance work, please confirm the power already cut off.

Note

This product in the factory works good, packing integrity. All users should strictly abide by the above statement warnings and operating instructions, any damage caused by misuse, the company does not guarantee. Ignore manuals caused fault and problem also is not responsible for the dealer.

LED Light Warranty Card

This product adopts high brightness transistors, Users in the normal use of this product warranty for one year, lifelong maintenance, Man-made and natural disasters not warranty scope, collect maintenance accessories expenses, when the product warranty please cut allied with product factory sent back together.

Item name:	Buy date:	Invoice NO.:
Warranty period: 200	year	month
	to	year
		month
User name:	Detailed Address:	
Company:	Tell:	

4W*18 4IN1 LED wall wash

User's Manual

(4 in 1 led)

Specifications:

Light source:4W*18pcs with 4in 1 led lamp

Channel:4-8-72-76Ch

RGB+W , color mixing

DMX512/Sound activation/Master-slave/Auto-run

All functions and operations can be finished by Manul on display without any DMX controller.

Menu Operation

Enter into menu by pressing the menu button,and select the menu by the up and down keys,press the confirmation butoon to enter the lower level,by the up and down keys to select, and then press confirmation button to save and exit.

Specific Operation is as follows:

Set DMX address code:

Enter in to menu by pressing the menu button,select ADDR by the up and down keys,and cofirm to enter dispalying AXXX. Modify it by the up and down keys,press confirmation button to save and exit,but press the exit button to exit without saving.

Enter into menu by pressing the menu button, select nodE by the the up and down keys,and confirm to enter. Select a variety of operating code by the up and down keys,ArUn is to run the machine model.Press confirmation button to save and run,but press exit button to menu item,and press it again to exit menu return to operation mode.

Parlight computer light channel table

4CH	8CH	72CH	76CH	Show	numerical value	Function
	1		1	Dimming	0-255	Dimming
	2		2	Strobe	0 1-255	Strob
	3		3	Effects	0-10	
					11-30	Jump
					31-50	Fade
					51-70	Dream
					71-90	AU1
					91-110	AU2
					111-130	AU3
					131-150	AU4
				151-170	AU5	
				171-190	AU6	
				191-210	AU7	

					211-230	AU8
					231-250	AU9
					251-255	声控
	4		4	Effects speed	0-255	Effects speed
				Sound peed		Sound peed
1	5			R	0-255	1-24 RED
2	6			G	0-255	1-24 GREEN
3	7			B	0-255	1-24 BLUE
4	8			W	0-255	1-24 WHITE
			1	R1	0-255	1 RED
			2	G1	0-255	1 GREEN
			3	B1	0-255	1 BLUE
			4	W1	0-255	1 WHITE
		
			60	R14	0-255	14 RED
			70	G14	0-255	14 GREEN
			71	B14	0-255	14 BLUE
			72	W14	0-255	14 WHITE

Menu map

		DMX 512
1	A. 001	
2	CH. 04	CH: 04/08/72/76CH
3	CC. 50	Change colors: 00-99
4	CP. 50	Change colors: 00-50
5	dE. 50	Change colors: 00-50
6	bE. 99	Sound: 00-99
7	EU. 01	Effects: 01-09
8	SP. 50	Effects spped: 00-99



Vintage 300/500

User manual

Bedienungsanleitung



Safety Notes

Note : To ensure reasonable consistency of operation, please read this instruction carefully. Any damages caused by the non-observance of this manual or any unauthorized modification to this product are not be subject to warranty .

1. This product belongs to high temperature products. Do not touch the lamp body when working, carefully scalds!
2. Maintain a 50CM space at the back of the lamp body for dissipate heat.
3. When installing/replacing the lamp tube, turn off the lamp power!
4. This lamp is used for indoor lighting, not waterproof ! When lamp works, lamp tube at high temperature.
5. Make sure the voltage and frequency of power supply match the power require of this devise.
6. Please do not operate the equipment in the condition of wire damage or wear.
7. Do not remove any part of the equipment during the use of lamps.
8. Any unauthorized modification to this product are not be subject to warranty .

DMX512 control

The wires must not come into contact with each other, otherwise the devices will not work at all, or will not work properly. Please note, the starting address depends upon which controller is being used.

Only use a DMX-cable and 3-pin or 5-pin XLR plugs and connectors in order to connect the controller with the device or one device with another.

If you are using controllers with this occupation, you can connect the DMX output of the controller directly with the DMX input of the first device in the DMX chain. If you wish to connect DMX controllers with other XLR outputs, you need to use adapter cables.

Building a serial DMX chain:

Connect the DMX output of the first device in the DMX chain with the DMX input of the next device.

Always connect one output with the input of the next device until all devices are connected.

Caution: At the last fixture, the DMX-cable has to be terminated. Plug the terminator with a 120 Ω resistor between Signal (-) and Signal (+) in the DMX-output of the last fixture.

Interconnecting several devices (master/slave operation)

Several devices may be interconnected (max. 30). Then all slave units can be synchronized and controlled with the master unit without the need for a DMX controller. The devices must be set to the corresponding operating modes.

Connect the DMX output of the master unit to the DMX input of the first slave unit. Then connect the DMX output of the first slave unit to the DMX input of the second slave unit, etc. until all units have been connected in a chain. Make sure the master unit is the first in the chain. Do not connect a DMX controller to the DMX input of the master unit.

Set the master device to one of the stand alone modes.

Set each slave device to any DMX address. The devices set in this manner can now be controlled by the master unit.

Connection to the mains

- 1 Connect the device via the enclosed mains cable to a grounded mains socket. Thus the unit is switched on.
- 2 To switch off the unit, disconnect the power plug.
- 3 Do not connect the unit to the mains voltage via a dimmer. For a more convenient operation, use a mains outlet which is switchable.

Power supply of further devices

The jack POWER OUT allows for power supply of further devices. To interconnect several devices, connect the jack POWER OUT to the input POWER IN of the next unit until all units are connected. Matching power cables with Power-Con plugs are available as accessories. In this manner, up to 3 devices can be linked at 230/240 input voltage.

OPERATION

After connecting the device to the mains it is ready for operation. The display indicates the last operating mode. The operating modes can be selected by means of the display and the control buttons. All settings remain stored even if the device is disconnected from the mains. The device can be operated in stand-alone mode via the control board or in DMX-controlled mode via any commercial DMX controller. Stand-alone mode

In the stand-alone mode, the device can be used without controller. Disconnect the device from the controller.

Operating buttons

MENU Selects the operating mode or returns to the initial screen.

UP Selects the next menu item or increases values when modifying.

DOWN Selects the previous menu item or decreases values when modifying.

Menu structure in Stand Alone Mode

Mode	Display	Function
ADDRESS DMX	Address 001 ~ 512	Setting DMX starting address
	DMX-Model 1ch	Setting DMX channel mode
	DMX-Model 2ch	
	DMX-Model 4ch	
	DMX-Model 7ch	
MANUAL	Manual Halog 0 ~ 255	Manual setting of the halogen lamp
	Manual Red 0 ~ 255	Manual setting of the red LEDs
	Manual Green 0 ~ 255	Manual setting of the green LEDs
	Manual Blue 0 ~ 255	Manual setting of the blue LEDs
STATIC1	Macro 1 ~ Macro 40	Manual setting of the color presets
DIMMERCURVES Halogen	DimCurve Linear	Light intensity increases in-line with the DMX value
	DimCurve Square	Light intensity increases exponentially with the DMX value
	DimCurve InvSquare	Light intensity increases reverse exponentially with the DMX value
	DimCurve S-curve	Light intensity increases S-shaped with the DMX value
DIMMERCURVES LED	LEDCurve Linear	Light intensity increases in-line with the DMX value
	LEDCurve Square	Light intensity increases exponentially with the DMX value
	LEDCurve InvSquare	Light intensity increases reverse exponentially with the DMX value
	LEDCurve S-curve	Light intensity increases S-shaped with the DMX value

Manual dimmer intensity

Press the MENU button to select the manual dimmer intensity (Manual).

You can select the dimmer intensity of the halogen lamp (Manual Halog) as well as of the LEDs (Manual Red/Green/Blue).

You can select the desired brightness values 000 -255 via the UP or DOWN button.

Please press the MENU button to exit the Mode.

Color presets

Press the MENU button to select the color presets (Static1).

You can select the desired color (Macro 1 ~ Macro 35) via the UP or DOWN button.

Please press the MENU button to exit the Mode.

Dimmer curves:

In order to set the dimmer curves for the halogen lamp, press the MENU button until the display shows DimCurve. You can select the desired dimmer curve (Linear, Square, InvSquare,S-curve) via the UP or DOWN buttons.

In order to set the dimmer curves for the LEDs, press the MENU button until the display shows LEDCurve.

You can select the desired dimmer curve (Linear, Square, InvSquare,S-curve) via the UP or DOWN buttons.

DMX operation

Setting the number of DMX channels and the DMX starting address

For operation with a controller with DMX512 protocol, the device is equipped with 4 DMX modes. It can be switched to a mode with 1, 2, 4 or 7 channels if different functions are required. To be able to operate the device with a DMX controller, the DMX starting address must be set. The starting address depends upon which DMX controller is being used. Please refer to the controller's documentation. 1 Press the MENU button so many times until DMX Address is indicated on the display.

2 Set the address via the UP and DOWN buttons and press the MENU button to return to the main menu.

3 Now press the MENU button so many times until DMX-Mode is indicated on the display.

4 The display then indicates 1CH (1 DMX channel), 2CH (2 DMX channels), 4CH (4 DMX channels) or 7CH (7 DMX channels). Use the buttons UP and DOWN to select the desired number of DMX channels. Please press the MENU button to return to the main menu.

5 The DMX address will be shown on the LCD when DMX signals are being received. If no control signals are available, the DMX address and "No DMX Signal" will appear alternately on the display.

Note: Please make sure that you do not have any overlapping channels in order to control each device correctly and independently from any other fixture on the DMX chain. If several devices are addressed similarly, they will work synchronically.

Functions in DMX mode

1-Channel-Mode

Channel	Value	Function
DIMMER Halogen lamp	000 – 255	Brightness 0-100%

2-Channel-Mode

Channel	Value	Function
1 DIMMER Halogen lamp	000 – 255	Brightness 0-100%
2 COLOR PRESETS LEDs	000 – 004	No function
	005 – 011	Color 1
	012 – 018	Color 2
	019 – 025	Color 3
	026 – 032	Color 4
	033 – 039	Color 5
	040 – 046	Color 6
	047 – 053	Color 7
	054 – 060	Color 8
	061 – 067	Color 9
	068 – 074	Color 10
	075 – 081	Color 11
	082 – 088	Color 12
	089 – 095	Color 13
	096 – 102	Color 14
	103 – 109	Color 15
	110 – 116	Color 16
	117 – 123	Color 17
124 – 130	Color 18	

131 – 137	Color 19
138 – 144	Color 20
145 – 151	Color 21
152 – 158	Color 22
159 – 165	Color 23
166 – 172	Color 24
173 – 179	Color 25
180 – 186	Color 26
187 – 193	Color 27
194 – 200	Color 28
201 – 207	Color 29
208 – 214	Color 30
215 – 221	Color 31
222 – 227	Color 32
228 – 234	Color 33
235 – 241	Color 34
242 – 255	Color 35

4-Channel-Mode

Channel	Value	Function
1 DIMMER Halogen lamp	000 – 255	Brightness 0-100%
2 DIMMER RED LEDs	000 – 255	Brightness 0-100%
3 DIMMER Green LEDs	000 – 255	Brightness 0-100%
4 DIMMER BLUE LEDs	000 – 255	Brightness 0-100%

7-Channel-Mode

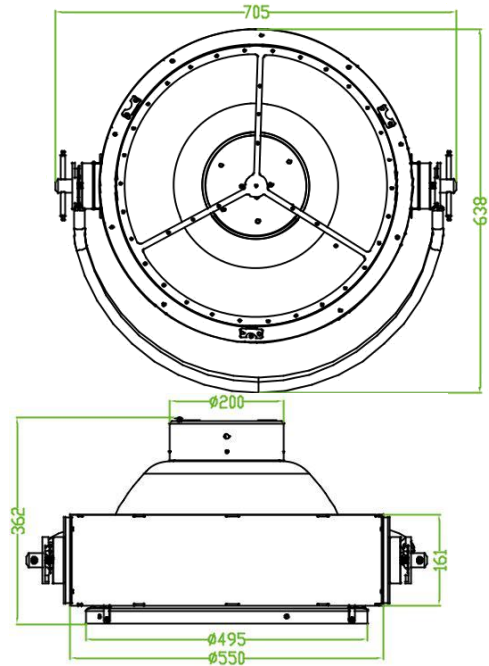
Channel	Value	Function
1 DIMMER Halogen lamp	000 – 255	Brightness 0-100%
2 DIMMER RED LEDs	000 – 255	Brightness 0-100%
3 DIMMER Green LEDs	000 – 255	Brightness 0-100%
4 DIMMER BLUE LEDs	000 – 255	Brightness 0-100%
5 MASTER DIMMER	000 – 255	Brightness 0-100%

6 STROBE LED strips	000 – 003	Open
	004 – 255	Increasing speed
7 COLOR PRESETS LEDs	000 – 004	No function
	005 – 011	Color 1
	012 – 018	Color 2
	019 – 025	Color 3
	026 – 032	Color 4
	033 – 039	Color 5
	040 – 046	Color 6
	047 – 053	Color 7
	054 – 060	Color 8
	061 – 067	Color 9
	068 – 074	Color 10
	075 – 081	Color 11
	082 – 088	Color 12
	089 – 095	Color 13
	096 – 102	Color 14
	103 – 109	Color 15
	110 – 116	Color 16
	117 – 123	Color 17
	124 – 130	Color 18
	131 – 137	Color 19
	138 – 144	Color 20
	145 – 151	Color 21
	152 – 158	Color 22
	159 – 165	Color 23
	166 – 172	Color 24
	173 – 179	Color 25
	180 – 186	Color 26
	187 – 193	Color 27
	194 – 200	Color 28
	201 – 207	Color 29
	208 – 214	Color 30
	215 – 221	Color 31
	222 – 227	Color 32
	228 – 234	Color 33
	235 – 241	Color 34
242 – 255	Color 35	

TECHNICAL SPECIFICATIONS:

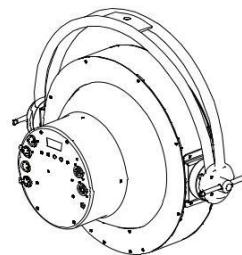
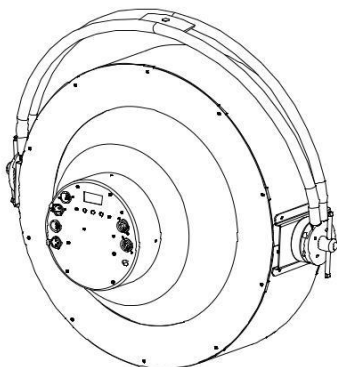
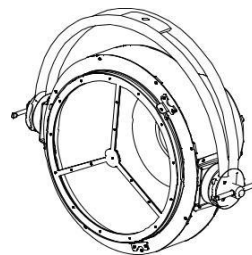
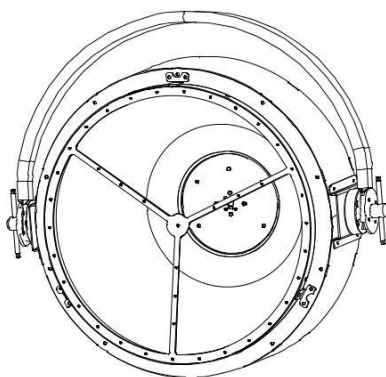
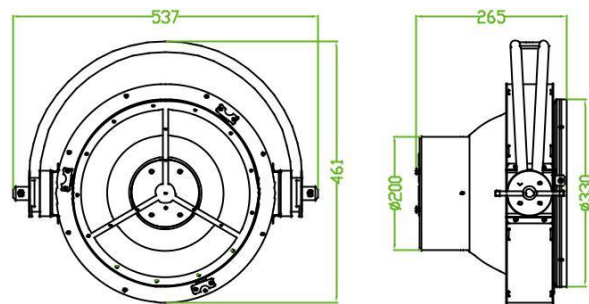
Vintage 500

Power supply: 230 V AC, 50 Hz ~
Power consumption: 780 W Max
Protection class: I
DMX control channels: 1/2/4/7
DMX512 connection: 5-pin and 3-pin XLR
Flash-rate: 20 Hz
Lamp number: 1
Lamp type: GX9.5 HPL 300-750W/230V
LED number: 27
LED type: 0.5 W RGB 5050 SMD
Dimensions (LxWxH): 365 x 705 x 640 mm
Weight: 11 kg



Vintage 300

Power supply: 230 V AC, 50 Hz ~
Power consumption: 771 W Max
Protection class: I
DMX control channels: 1/2/4/7
DMX512 connection: 5-pin and 3-pin XLR
Flash-rate: 20 Hz
Lamp number: 1
Lamp type: GX9.5 300-750W/230V
LED number: 18
LED type: 0.5 W RGB 5050 SMD
Dimensions (LxWxH): 265 x 540 x 460 mm
Weight: 9 kg



Instrukcje bezpieczeństwa

Uwaga: Aby zapewnić bezpieczną i wydajną pracę urządzenia zapoznaj się z tą instrukcją przed użyciem. Wszelkie szkody spowodowane nieprawidłowym użytkowaniem lub modyfikacją urządzenia nie podlegają gwarancji.

1. Produkt mocno się nagrzewa podczas pracy, nie należy dotykać obudowy lamp podczas użytkowania, może to spowodować poparzenia.
2. Pozostaw minimum 50cm odległości od innych elementów.
3. Przed instalacją i wymianą lampy odłącz urządzenie z zasilania.
4. Tylko do użytku wewnętrznego! Nie należy użytkować na zewnątrz.
5. Przed podłączeniem upewnij się, że zasilanie jest zgodne z zalecanym.
6. Nie należy użytkować urządzenia jeśli przewód zasilający jest uszkodzony.
7. Nie demontuj żadnego elementu podczas pracy urządzenia.
8. Wszelkie modyfikacje urządzenia powodują utratę gwarancji.

Kontrola DMX512

Przewody sygnałowe nie mogą wchodzić w kontakt z innymi, w przeciwnym razie mogą nie działać prawidłowo lub wcale. Prosimy wziąć pod uwagę, że adres startowy zależy od używanego kontrolera.

Używaj tylko odpowiednich przewodów 3 lub 5 pin do połączenia z kontrolerem, lub innymi urządzeniami.

Tworzenie łańcucha DMX:

Podłącz przewód DMX wychodzący z kontrolera do pierwszego urządzenia, do wtyczki Input. Podłącz przewód korzystając z gniazda output i poprowadź go do kolejnego urządzenia. Postępuj wg poprzednich instrukcji dopóki wszystkie urządzenia nie zostaną połączone.

Tryb Master/Slave

Urządzenia można łączyć bez użycia sterownika w trybie master/slave (maksymalnie 30). Przy połączeniu w ten sposób jedno urządzenie wydaje polecenia do kolejnych w łańcuchu. Aby tryb działał poprawnie wszystkie urządzenia muszą być odpowiednio ustawione.

Połącz urządzenia przewodem sygnałowym jak w przypadku tworzenia łańcucha DMX, z tym wyjątkiem, że nie podłączasz ich do sterownika. Na pierwszym urządzeniu łańcucha ustaw jeden z trybów autonomicznych. Pozostałe urządzenia muszą być ustawione na adres DMX.

Podłączenie zasilania

- 1 Podłącz urządzenie do uziemionego źródła zasilania. Po podłączeniu urządzenie automatycznie się uruchamia
- 2 Aby wyłączyć urządzenie, odłącz zasilanie.
- 3 Nie podłączaj zasilania za pośrednictwem dimmerów. W celu zwiększenia wygody użytkowania możesz użyć gniazda z wyłącznikiem.

Łączenie zasilaniem

Gniazdo POWER OUT pozwala na łączenie zasilaniem bezpośrednio kolejnych urządzeń. Aby je połączyć poprowadź przewód z zasilanego urządzenia, z gniazda POWER OUT do gniazda POWER IN w kolejnym urządzeniu. W ten sposób mogą być połączone razem 3 urządzenia przy zasilaniu wejściowym 230/240V.

Użytkowanie

Po podłączeniu zasilania urządzenie jest gotowe do użycia. Wyświetlacz obrazuje aktualny tryb pracy. Tryby pracy mogą zostać wybrane za pomocą przycisków kontrolnych. Po odłączeniu zasilania wszystkie zapisane funkcje pozostają aktywne. Urządzenie może być sterowane za pomocą sterownika DMX, lub pracować w jednym z trybów autonomicznych.

Przyciski operacyjne
 MENU Wybiera tryb pracy spośród pierwotnego menu
 UP Wybiera kolejny tryb, lub zwiększa wartość parametru
 DOWN Wybiera poprzedni tryb, lub zmniejsza wartość parametru

Struktura menu

Tryb	Wyświetlacz	Funkcja
ADDRESS DMX	Address 001 ~ 512	Wybór adresu DMX
	DMX-Model 1ch	Wybór trybu DMX
	DMX-Model 2ch	
	DMX-Model 4ch	
	DMX-Model 7ch	
MANUAL	Manual Halog 0 ~ 255	Ręczne ustawienie lampy halogenowej
	Manual Red 0 ~ 255	Ręczne ustawienie natężenia koloru czerwonego
	Manual Green 0 ~ 255	Ręczne ustawienie natężenia koloru zielonego
	Manual Blue 0 ~ 255	Ręczne ustawienie natężenia koloru niebieskiego
STATIC1	Macro 1 ~ Macro 40	Ręczny wybór makra kolorów
DIMMERCURVES Halogen	DimCurve Linear	Natężenie światła zgodne ze zwiększaną wartością
	DimCurve Square	Natężenie światła zwiększane wykładniczo do wartości
	DimCurve InvSquare	Natężenie światła zmniejszane wykładniczo do wartości
	DimCurve S-curve	Krzywa dimmera w kształcie litery S
DIMMERCURVES LED	LEDCurve Linear	Natężenie światła zgodne ze zwiększaną wartością
	LEDCurve Square	Natężenie światła zwiększane wykładniczo do wartości
	LEDCurve InvSquare	Natężenie światła zmniejszane wykładniczo do wartości
	LEDCurve S-curve	Krzywa dimmera w kształcie litery S

Ręczny dimmer (MANUAL)

Wciśnij MENU aby wybrać odpowiedni tryb (Manual).

Możesz ręcznie ustawić natężenie lampy halogenowej (Manual Halog) jak również diod LED (Manual Red/Green/Blue).

Natężenie możesz kontrolować w zakresie 000 -255 za pomocą przycisków UP i DOWN.

Wciśnij MENU aby wyjść z tego trybu.

Presety kolorów

Wciśnij MENU aby wybrać odpowiedni tryb (Static1).

Możesz wybrać pożądany kolor (Macro 1 ~ Macro 35) za pomocą przycisków UP i DOWN.

Wciśnij MENU aby wyjść z tego trybu.

Krzywe zaciemniania (DIMMERCURVES):

Aby ustawić krzywą dimmera lampy halogenowej, wciśnij MENU aż wyświetlacz pokaże DimCurve. Możesz wybrać odpowiednią krzywą (Linear, Square, InvSquare, S-curve) za pomocą przycisków UP i DOWN.

Aby ustawić krzywą dimmera diod LED wciśnij MENU aż wyświetlacz pokaże LEDCurve. Możesz wybrać odpowiednią krzywą (Linear, Square, InvSquare, S-curve) za pomocą przycisków UP i DOWN.

Tryb DMX

Do sterowania za pomocą protokołu DMX urządzenie zostało wyposażone w 4 tryby DMX: 1, 2, 4 i 7 kanałów. Aby prawidłowo korzystać z funkcji urządzenia należy ustawić odpowiedni adres początkowy. Adres ten zależy od sterownika z którego korzystamy, aby upewnić się jak powinniśmy adresować urządzenie zapoznaj się z instrukcją sterownika.

1 Wciskaj przycisk MENU aż na ekranie pojawi się napis DMX Address.

2 Ustaw odpowiedni adres za pomocą przycisków UP i DOWN, a następnie wciśnij MENU aby powrócić.

3 Następnie wciskaj przycisk MENU aż na ekranie pojawi się napis DMX-Mode.

4 Na wyświetlaczu pojawią się następujące tryby 1CH (tryb 1 kanał), 2CH (tryb 2 kanały), 4CH (tryb 4 kanały) lub 7CH (tryb 7 kanałów). Wybierz odpowiedni tryb za pomocą przycisków UP i DOWN, a następnie wciśnij MENU aby powrócić.

5 Adres DMX pojawi się na ekranie w momencie, kiedy urządzenie będzie dostawało odpowiedni sygnał DMX. Jeśli urządzenie nie otrzymuje sygnału na wyświetlaczu poza adresem wyświetli się napis "No DMX Signal".

Uwaga: Pamiętaj aby ustawiane adresy się nie nakładały, urządzenia mogą wtedy nie pracować poprawnie.

Struktura kanałów

Tryb 1 kanał

Kanał	Wartość	Funkcja
DIMMER Lampy	000 – 255	Jasność 0-100%

Tryb 2 kanały

Kanał	Wartość	Funkcja
1 DIMMER Lampy	000 – 255	Jasność 0-100%
2 PRESETY KOLORÓW LED	000 – 004	Brak funkcji
	005 – 011	Kolor 1
	012 – 018	Kolor 2
	019 – 025	Kolor 3
	026 – 032	Kolor 4
	033 – 039	Kolor 5
	040 – 046	Kolor 6
	047 – 053	Kolor 7
	054 – 060	Kolor 8
	061 – 067	Kolor 9
	068 – 074	Kolor 10
	075 – 081	Kolor 11
	082 – 088	Kolor 12
	089 – 095	Kolor 13
	096 – 102	Kolor 14
	103 – 109	Kolor 15
	110 – 116	Kolor 16
	117 – 123	Kolor 17
124 – 130	Kolor 18	

131 – 137	Kolor 19
138 – 144	Kolor 20
145 – 151	Kolor 21
152 – 158	Kolor 22
159 – 165	Kolor 23
166 – 172	Kolor 24
173 – 179	Kolor 25
180 – 186	Kolor 26
187 – 193	Kolor 27
194 – 200	Kolor 28
201 – 207	Kolor 29
208 – 214	Kolor 30
215 – 221	Kolor 31
222 – 227	Kolor 32
228 – 234	Kolor 33
235 – 241	Kolor 34
242 – 255	Kolor 35

Tryb 4 kanały

Kanał	Wartość	Funkcja
1 DIMMER Lampy	000 – 255	Jasność 0-100%
2 DIMMER Czerwonego LED	000 – 255	Jasność 0-100%
3 DIMMER Zielonego LED	000 – 255	Jasność 0-100%
4 DIMMER Niebieskiego LED	000 – 255	Jasność 0-100%

Tryb 7 kanałów

Kanał	Wartość	Funkcja
1 DIMMER Lampy	000 – 255	Jasność 0-100%
2 DIMMER Czerwonego LED	000 – 255	Jasność 0-100%
3 DIMMER Zielonego LED	000 – 255	Jasność 0-100%
4 DIMMER Niebieskiego LED	000 – 255	Jasność 0-100%
5 MASTER LED DIMMER	000 – 255	Jasność 0-100%

6 LED STROBO	000 – 003	Open
	004 - 255	Zwiększana częstotliwość
7 PRESETY KOLORÓW LED	000 – 004	Brak funkcji
	005 – 011	Kolor 1
	012 – 018	Kolor 2
	019 – 025	Kolor 3
	026 – 032	Kolor 4
	033 – 039	Kolor 5
	040 – 046	Kolor 6
	047 – 053	Kolor 7
	054 – 060	Kolor 8
	061 – 067	Kolor 9
	068 – 074	Kolor 10
	075 – 081	Kolor 11
	082 – 088	Kolor 12
	089 – 095	Kolor 13
	096 – 102	Kolor 14
	103 – 109	Kolor 15
	110 – 116	Kolor 16
	117 – 123	Kolor 17
	124 – 130	Kolor 18
	131 – 137	Kolor 19
	138 – 144	Kolor 20
	145 – 151	Kolor 21
	152 – 158	Kolor 22
	159 – 165	Kolor 23
	166 – 172	Kolor 24
	173 – 179	Kolor 25
	180 – 186	Kolor 26
	187 – 193	Kolor 27
	194 – 200	Kolor 28
	201 – 207	Kolor 29
	208 – 214	Kolor 30
	215 – 221	Kolor 31
	222 – 227	Kolor 32
	228 – 234	Kolor 33
	235 – 241	Kolor 34
242 – 255	Kolor 35	

SPECYFIKACJA TECHNICZNA:

Vintage 500

Zasilanie: 230 V AC, 50 Hz ~

Zużycie energii: 780 W Maksymalnie

Stopień ochrony: I

Tryby DMX: 1/2/4/7

Złącza DMX: 5-pin and 3-pin XLR

Częstotliwość strobo: 20 Hz

Ilość lamp: 1

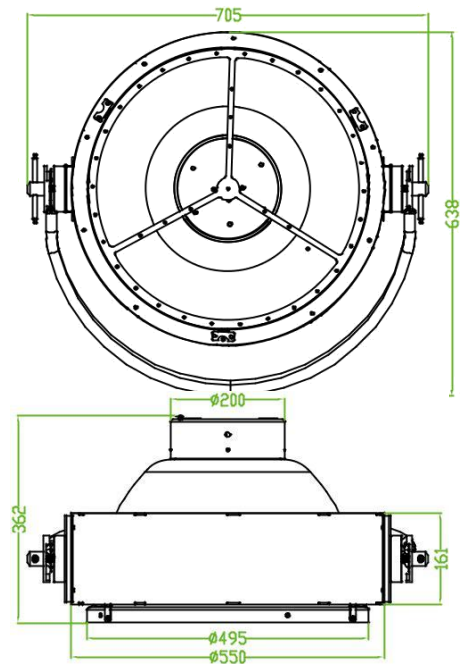
Typ lampy: GX9.5 HPL 300-750W/230V

Ilość diod LED: 27

Typ diod: 0.5 W RGB 5050 SMD

Wymiary (Dł x Sz x Wys): 365 x 705 x 640 mm

Waga: 11 kg



Vintage 300

Zasilanie: 230 V AC, 50 Hz ~

Zużycie energii: 771 W Maksymalnie

Stopień ochrony: I

Tryby DMX: 1/2/4/6

Złącza DMX: 5-pin and 3-pin XLR

Częstotliwość strobo: 20 Hz

Sterowanie dźwiękiem: poprzez wbudowany mikrofon

Ilość lamp: 1

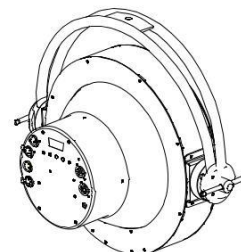
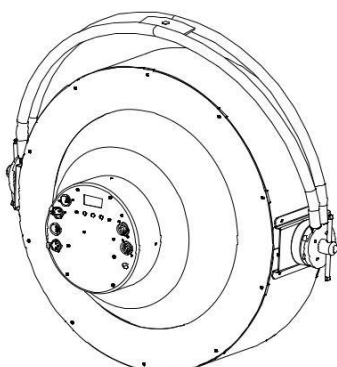
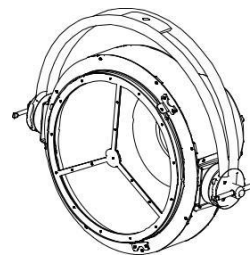
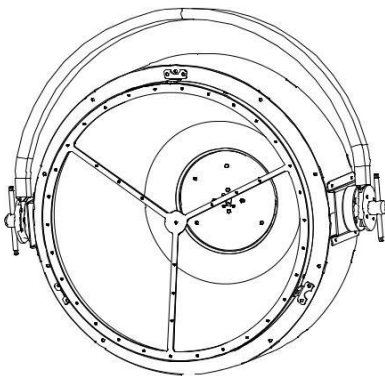
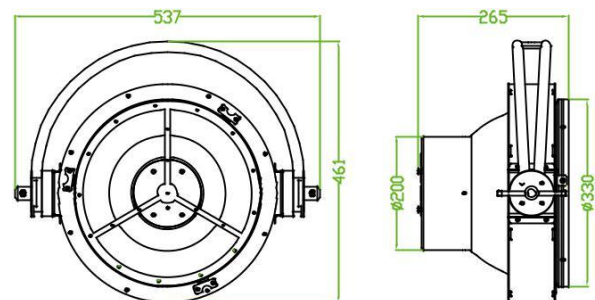
Typ lampy: GY9.5 300-750W/230V

Ilość diod LED: 18

Typ diod: 0.5 W RGB 5050 SMD

Wymiary (Dł x Sz x Wys): 265 x 540 x 460 mm

Waga: 9 kg



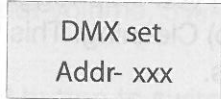
Entour Venue

DMX Mode

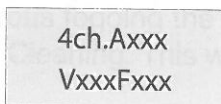
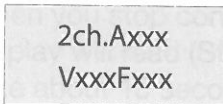
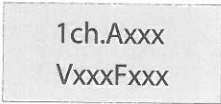
DMX Mode:

The Entour Venue has 3 DMX channel modes; 1 channel mode, 2 channel mode, and 4 channel mode. See page 13 for the DMX traits.

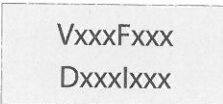
1. This function will allow you to control each individual fixture's traits with a standard DMX 512 controller.
2. When the display is showing the DMX setting screen, use the UP or DOWN buttons to find your desired DMX address.



3. To run your fixture in DMX mode you must **FIRST** plug in the fixture via the XLR connections to any standard DMX controller.
4. Once you have the controller connected to the unit you will be able to select your desired DMX channel mode. Press the FUNCTION button to cycle through the DMX channel modes.



5. When 4 channel mode is selected, after about 5 seconds the screen will change to the display shown below.



- A = The current DMX address
- V = The current output volume
- F = The current fan speed
- D = The current duration setting
- I = The current interval setting

NOTE: Duration and Interval setting is only available in 4 Channel mode.

Entour Venue		1 Channel Mode
Channel	Value	Function
1	0 - 4	OUTPUT VOLUME & FAN SPEED 0% OUTPUT VOLUME 5% FAN SPEED
	5 - 255	5%-100% OUTPUT VOLUME 100% FAN SPEED

Entour Venue		2 Channel Mode
Channel	Value	Function
1	0 - 4	OUTPUT VOLUME 0% OUTPUT VOLUME
	5 - 255	5%-100% OUTPUT VOLUME
2	0 - 15	FAN SPEED 5% FAN SPEED
	16 - 255	6%-100% FAN SPEED

Note: In 2 channel mode, when using channel 1 only, the default fan speed is 30%.

Entour Venue		4 Channel Mode
Channel	Value	Function
1	0 - 4	OUTPUT VOLUME 0% OUTPUT VOLUME
	5 - 255	5%-100% OUTPUT VOLUME
2	0 - 15	FAN SPEED 5% FAN SPEED
	16 - 255	6%-100% FAN SPEED
3	0 - 7	DURATION 3 SECONDS
	8 - 255	3-250 SECONDS
4	0 - 9	INTERVAL 0 SECONDS
	10 - 255	5-250 SECONDS

Note: In 4 channel mode, when using channel 1 only, the default fan speed is 30%.



Explorer 250 Pro MKII

ORDERCODE 40177S



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Warning	2
Safety-instructions.....	2
Operating Determinations.....	3
Rigging.....	4
Description	5
Features and Overview	5
Backside.....	6
Installation	7
Installing the Lamp	7
Lamp Adjustment.....	8
Beam Angle	9
Set Up and Operation	10
One Explorer	10
Multiple Explorers.....	10
Master/Slave mode.....	11
DMX-Protocol	11
Control Panel.....	14
Control Mode.....	14
DMX addressing.....	14
Control panel functions.....	15
Menu Overview.....	16
Advanced Mode (16 Channels).....	17
Basic Mode (13 Channels).....	17
V. 2006 Mode (16 Channels).....	17
Channel settings.....	18
Maintenance	18
Changing the Lamp.....	19
Replacing the Fuse.....	19
Gobo Orientation.....	19
Replacing a Gobo from the Rotating Gobo-wheel	19
Replacing a Gobo from the Static Gobo-wheel.....	20
Structure of the Fixture.....	21
Electrical Diagram.....	22
Troubleshooting	23
No Light, No Movement - All Products.....	23
No Response to DMX	23
Product Specifications	25

WARNING



CAUTION!
Keep this device away from rain and moisture!
Unplug mains lead before opening the housing!



**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY
BEFORE YOUR INITIAL START-UP!**

SAFETY INSTRUCTIONS

Every person involved with the installation, operation and maintenance of this device has to:

- be qualified
- follow the instructions of this manual



CAUTION! Be careful with your operations.
With a dangerous voltage you can suffer
a dangerous electric shock when touching the wires!



Before your initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

This device contains no user-serviceable parts. Refer servicing to qualified technicians only.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

- Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the unit.
- Never use anything to cover the ground contact.
- Never run the device without lamp!
- Never ignite the lamp if the objective-lens or any housing-cover is open, as discharge lamps may expose and emit a high ultraviolet radiation, which may cause burns.
- Never lift the fixture by holding it at the projector-head, as the mechanics may be damaged. Always hold the fixture at the transport handles.
- Never place any material over the lens.
- Never look directly into the light source.
- Never leave any cables lying around.
- Never unscrew the screws of the rotating gobo, as the ball bearing will otherwise be opened.
- Do not insert objects into air vents.
- Do not connect this device to a dimmerpack.
- Do not switch the device on and off in short intervals, as this would reduce the lamp's life.
- Do not touch the device's housing bare-handed during its operation (housing becomes very hot). Allow the fixture to cool for at least 5 minutes before handling.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Only use device indoor, avoid contact with water or other liquids.
- Only operate the fixture after having checked that the housing is firmly closed and all screws are tightly fastened.
- Only operate the device after having familiarized with its functions.
- Avoid flames and do not put close to flammable liquids or gases.
- Always replace the lamp, when it is damaged or deformed due to the heat.
- Always keep case closed while operating.

- Always allow free air space of at least 50 cm around the unit for ventilation.
- Always disconnect power from the mains, when device is not used, before cleaning or when replacing lamp! Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.
- To ensure the longest and most efficient use of the lamp always wait 15 minutes before re-applying power after a shutdown. Failure to do so could result in premature aging of the lamp and failure to the electronics that drive it.
- Make sure that the device is not exposed to extreme heat, moisture or dust.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power-cord is never crimped or damaged. Check the device and the power-cord from time to time.
- If the lens is obviously damaged, it has to be replaced. So that its functions are not impaired, due to cracks or deep scratches.
- If device is dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- If your Showtec device fails to work properly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Showtec dealer for service.
- For adult use only. Movinghead must be installed out of the reach of children. Never leave the unit running unattended.
- Never attempt to bypass the thermostatic switch or fuses.
- For replacement use lamps and fuses of same type and rating only.
- Replace the lamp if it becomes defective or worn out, or before usage exceeds the maximum service life.
- Allow the fixture to cool down for 15 minutes, before opening the fixture and replacing lamp. Protect your hands and eyes with gloves and safety glasses.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- During the initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.



OPERATING DETERMINATIONS

This device is not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects.

The minimum distance between light-output and the illuminated surface must be more than 1 meter.

The maximum ambient temperature t_a must never be exceeded.

If this device is operated in any other way, than the one described in this manual, the product may suffer damages and the warranty becomes void.

Any other operation may lead to dangers like short-circuit, burns, electric shock, lamp explosion, crash etc.

You endanger your own safety and the safety of others!

Rigging

Please follow the European and national guidelines concerning rigging, trussing and all other safety issues.

Do not attempt the installation yourself !

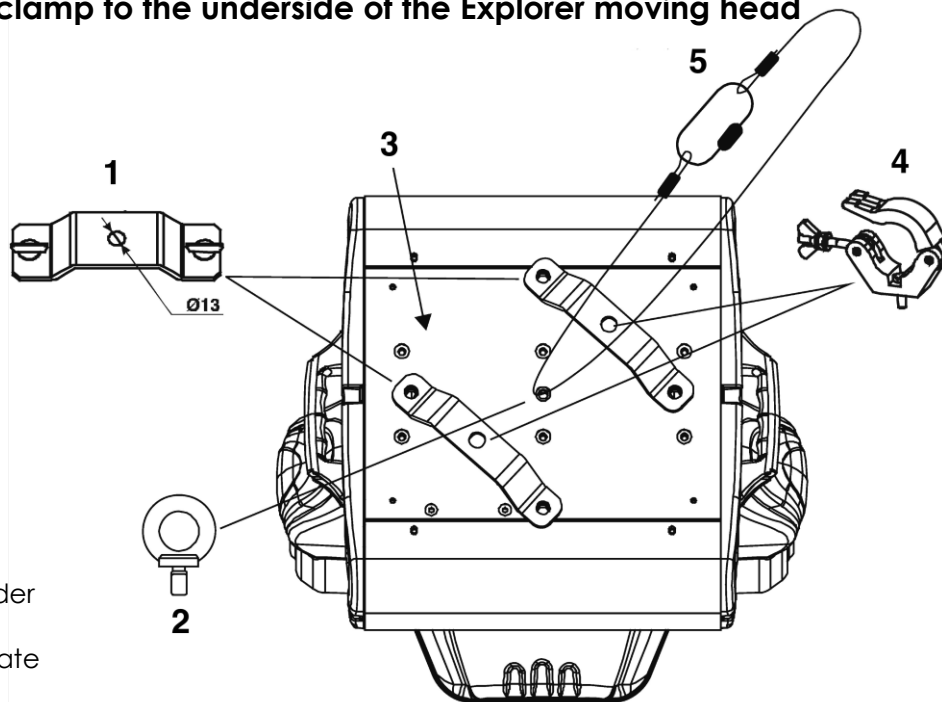
Always let the installation be carried out by an authorized dealer !

Procedure:

- If the projector is lowered from the ceiling or high joists, professional trussing systems have to be used.
- Use a clamp to mount the projector, with the mounting-bracket, to the trussing system.
- The projector must never be fixed swinging freely in the room.
- The installation must always be secured with a safety attachment, e.g. an appropriate safety net or safety-cable.
- When rigging, derigging or servicing the projector, always make sure, that the area below the installation place is blocked and staying in the area is forbidden.

The Explorer can be placed on a flat stage floor or mounted to any kind of truss by a clamp.

Mounting a clamp to the underside of the Explorer moving head




- 1) Omega Holder
- 2) Eye bolt
- 3) Mounting plate
- 4) Clamp
- 5) Safety-cable

Improper installation can cause serious damage to people and property !

Connection with the mains

Connect the device to the mains with the power-plug.

Always pay attention, that the right color cable is connected to the right place.

International	EU Cable	UK Cable	US Cable	Pin
L	BROWN	RED	YELLOW/COPPER	FASE
N	BLUE	BLACK	SILVER	NUL
	YELLOW/GREEN	GREEN	GREEN	EARTH

Make sure that the device is always connected properly to the earth!

Description of the device

Features

The Showtec Explorer Pro is a moving-head with high output and great effects.

- 1 Color-wheel with 7 colored gobos, and open
- 1 Gobo-wheel with 2 metal and 3 glass interchangeable rotating gobos plus open
- 1 Static Gobo-wheel with 2 static gobos, 1 glass gobo and 3 color gobos
- DMX-control via standard DMX-controller
- 16 DMX-control channels required
- Mechanical Dimmer/Shutter/Strobe
- Strobe-effect with adjustable speed (1 - 10 flashes/sec.)
- Linear electric focus
- Pan 0° -- 530°
- Tilt 0° -- 280°
- Pan/Tilt speed & reset control channel
- Automatic Pan/Tilt correction
- LED display menu with invert
- Pan/Tilt Invert option
- Micro-stepping motors
- Thermal switch
- Lamp MSD 250
- Fuse 3,15A / 250V

Overview



Fig. 1

- 1) Lens
- 2) Display + menu buttons

Backside



Fig. 2

- 3) DMX signal connector (OUT)
- 4) DMX signal connector (IN)
- 5) Power ON/OFF
- 6) IEC power connector + Fuse 3,15A 250V

Installation

Installing the Lamp

The Showtec Explorer Pro uses the MSD 250 (ordercode 80920P / 80920O / 80933O / 82603 / 80935) reflectorbulb as manufactured by all popular manufacturers. Use only the appropriate lamp for your unit. Note that, product versions that use other lamps, may be offered in the future. Check your product specification label for information.

Always disconnect from electric mains power supply before changing lamps.

The lamp has to be replaced when it is damaged or deformed due to the heat.

Do not install lamps with a higher wattage! Lamps with a higher wattage generate temperatures the device was not designed for.

Damages caused by non-observance are not subject to warranty.

Procedure :

1. Loosen the 3 screws on the top cover and gently remove the small plastic housing.
2. Loosen the 2 screws on the small lamp cover and gently remove the lamp cover.
3. Read lamp instructions. Do not touch the lamp bulb glass.
Oil on hands shortens the lamp life. (If you touch the bulb glass, wipe off the glass with a clean, lint-free towel and rubbing alcohol.)
4. Insert the lamp pins into the small holes in the lamp socket. You can adjust the distance between the lamp and the lens on the back of the cover.
5. Put the lamp cover back and fasten the screws snugly. Then put the plastic housing back and fasten The screws snugly.

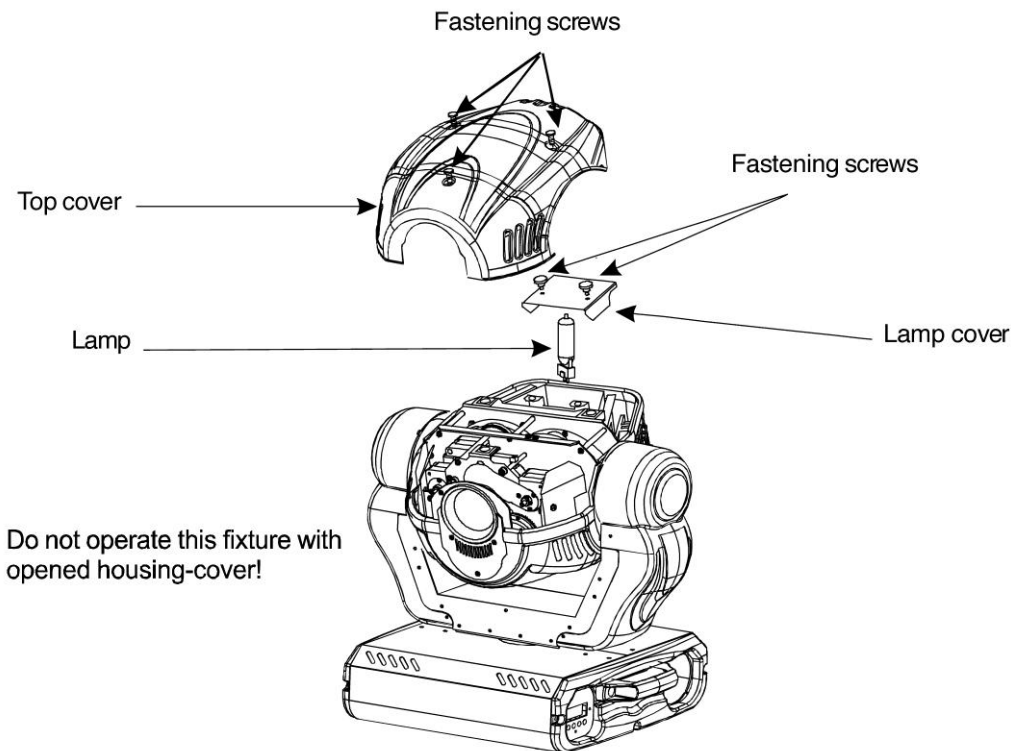


Fig. 3

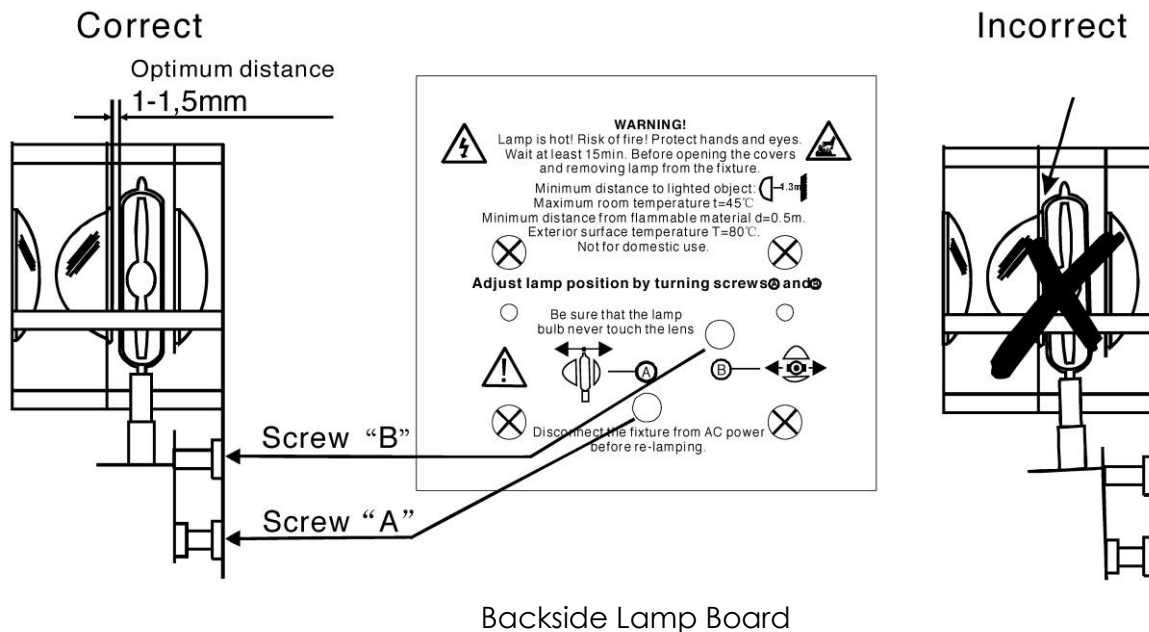


Fig. 4

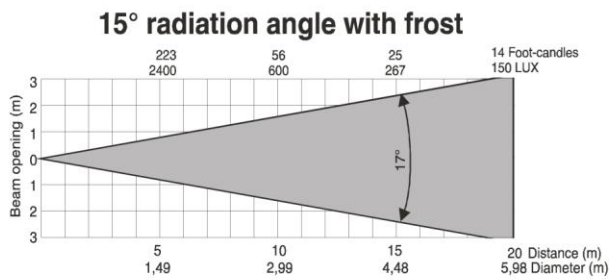
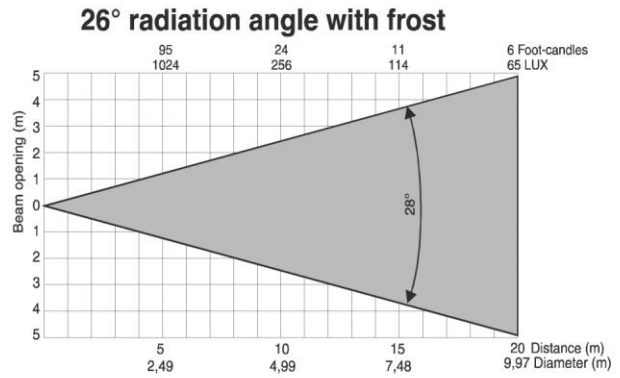
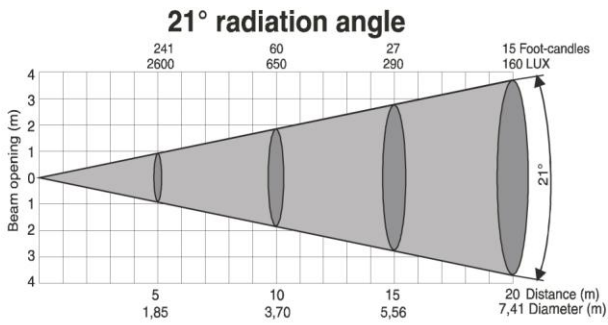
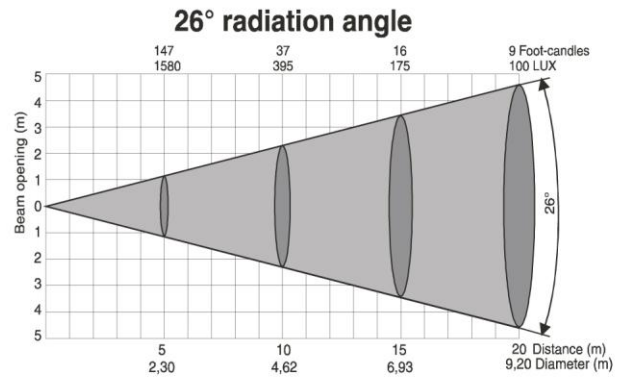
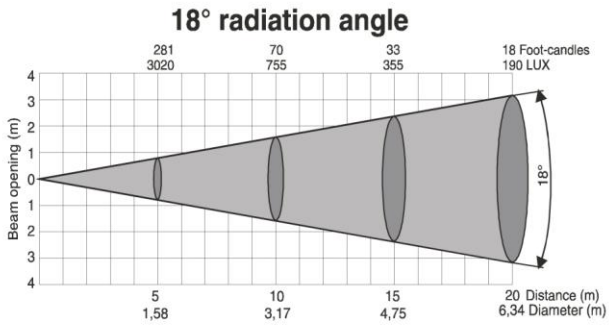
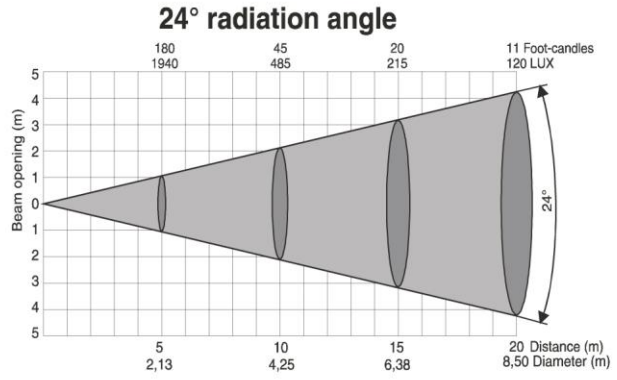
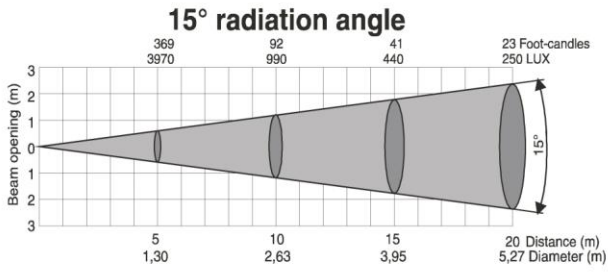
Lamp Adjustment

You can adjust the lamp's position by turning the screws A, B.

The lamp position is set in the factory. As the lamps, which can be used, differ from manufacturer to manufacturer, it can be necessary to readjust the position. The lamp must be readjusted e.g., if the light does not seem to be evenly distributed within the ray of light.

Ignite the lamp and focus the ray of light on an even surface (wall). As the optimal distance between the lamp and the lens was already set during the installation with screw "A", only the "Hot Spot" (the brightest part of the ray of light) must be centered. Turn in addition screw "B". If the Hot Spot appears too bright, you can weaken its intensity, by moving the lamp closer to the reflector. Turn in addition screw "A", until the light is evenly distributed. If the light at the outside edge of the ray of light appears brighter as in the center, the lamp is too close to the reflector. In this case move the lamp away from the reflector, until the light is evenly distributed and the ray of light appears bright enough.

Beam Angle



Set Up and Operation

Follow the directions below, as they pertain to your preferred operation mode.

Before plugging the unit in, always make sure that the power supply matches the product specification voltage. Do not attempt to operate a 120V specification product on 230V power, or vice versa.

One Explorer

1. Fasten the moving head onto firm trussing (Use a clamp (ordercode 70351 / 70308 / 70322) fastened onto the Explorer). Leave at least 1 meter on all sides for air circulation.
2. Always use a safety cable (ordercode 70140 / 70141).
3. Plug one end of the electric mains power cord into the IEC socket on the unit. Then plug the other end of the cord into a proper electric power supply socket.
4. Use the Mode-button to set the fixture to Automatic Mode_1 or Automatic Mode_2. The Explorer will now play its built-in program.
5. Always use a safety cable (ordercode 70140 / 70141).

Multiple Explorers

1. Fasten the effect light onto firm trussing (Use a clamp (ordercode 70351 / 70308 / 70322) fastened onto the Explorer). Leave at least 1 meter on all sides for air circulation.
2. Always use a safety cable (ordercode 70140 / 70141).
3. Use a 3-p XLR cable to connect the Explorers and other devices.

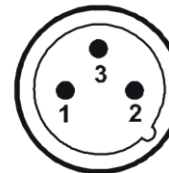
Occupation of the XLR-connection:

DMX-OUTPUT XLR mounting-socket:



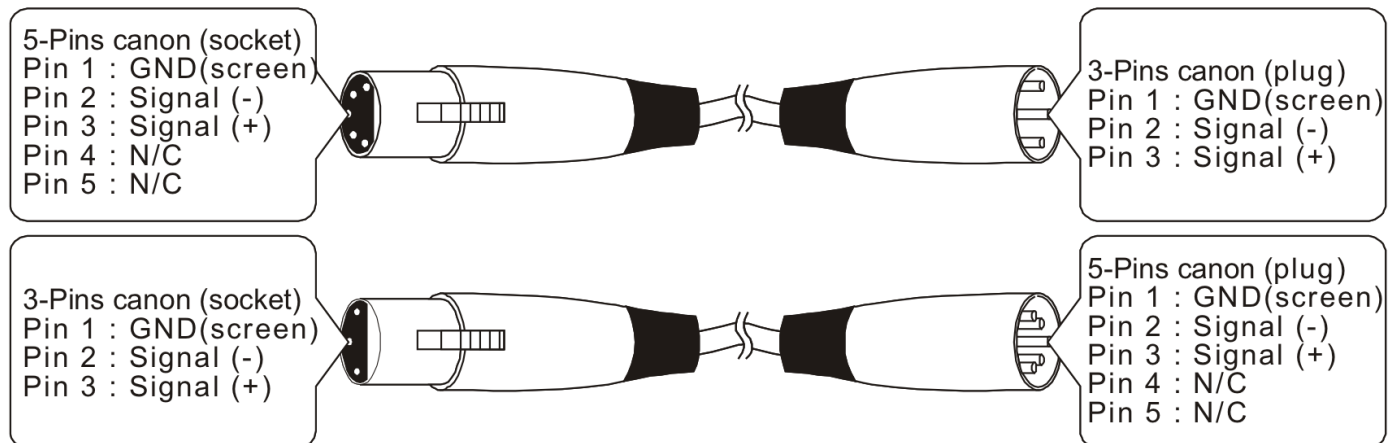
- 1 - Ground
- 2 - Signal (-)
- 3 - Signal (+)

DMX-input XLR mounting-plug



- 1 - Ground
- 2 - Signal (-)
- 3 - Signal (+)

The transformation of the controller line of 3 pins and 5 pins (plug and socket)



4. Link the units as shown in (figure 5), Connect a DMX signal cable from the first unit's DMX "out" socket to the second unit's "in" socket. Repeat this process to link the second, third, and fourth units.
5. Supply electric power: Plug electric mains power cords into each unit's IEC socket, then plug the other end of the mains power cord into proper electric power supply sockets, starting with the first unit. Do not supply power before the whole system is set up and connected properly.

Multiple Explorers Set Up



Fig. 5

Note : Link all cables before connecting electric power

DMX Protocol

Channel 1 - Horizontal movement (Pan)

Push the slider up, in order to move head horizontally (PAN).
Gradual head adjustment from one end of the slider to the other (0-255, 128-center).
The head can be turned by 530° and stopped at any position you wish.

Channel 2 - Vertical movement (Tilt)

Push the slider, up in order to move head vertically (TILT).
Gradual head adjustment from one end of the slider to the other (0-255, 128-center).
The head can be turned by 280° and stopped at any position you wish.

Channel 3 - Pan fine 16 bit

Channel 4 - Tilt fine 16 bit

Channel 5 – PAN/TILT Speed

0-255	From Max Speed (0) to Min. Speed (255) in vector mode
-------	---

Channel 6 – Lamp ON OFF & Reset

0-127	No Function
128-139	Lamp on after 3 seconds, Reset
140-229	No Function
230-239	Lamp off after 3 seconds
240-255	No Function

Channel 7 – Colourwheel

Linear color change following the movement of the slider. Between 128 - 255, the color-wheel rotates continuously the so-called "Rainbow" effect.

0-15	Open / White
16-31	Red
32-47	Yellow
48-63	Magenta
64-79	Green
80-95	Orange
96-111	Blue
112-127	Pink
128-255	Forwards rainbow effect from fast to slow

Channel 8 – Prism + Lambency

0-127	No Function
128-187	3-facet prism
188-255	Lambency

Channel 9 – Prism rotating control

0-4	No rotation
5-127	Backwards rotation from slow to fast
128-132	No rotation
133-255	Forwards rotation from slow to fast

Channel 10 – Gobowheel 1 + Gobo Shake

0-31	Open / White
32-57	Gobo 1 (metal)
58-73	Shaking Gobo 1
74-94	Gobo 2 (metal)
95-110	Shaking Gobo 2
111-131	Gobo 3 (glass)
132-147	Shaking Gobo 3
148-168	Gobo 4 (glass)
169-184	Shaking Gobo 4
185-205	Gobo 5 (glass)
206-221	Shaking Gobo 5
222-242	Gobo 6 (glass)
243-255	Shaking Gobo 6

Channel 11 – Gobowheel 2 + Gobo Shake

0-31	Open / White
32-47	Gobo 1 (glass)
48-63	Shaking Gobo 1
64-79	Gobo 2 (glass)
80-95	Shaking Gobo 2
96-111	Gobo 3 (glass)
112-127	Shaking Gobo 3
128-143	Gobo 4 (metal)
144-159	Shaking Gobo 4
160-175	Gobo 5 (metal)
176-191	Shaking Gobo 5
192-223	No Gobo
224-255	Continuous Rotation from slow to fast

Channel 12 – Gobowheel 2 rotation

0-60	Gobo indexing
61-158	Forwards gobo rotation from fast to slow
159-255	Backwards gobo rotation from slow to fast

Channel 13 – Zoom, Frost, UV Filter

Between 0 - 95, the zoom is without focus correction and between 128-223, the zoom is with focus correction.

0-31	Zoom 15° (without focus correction)
32-47	Zoom 18° (without focus correction)
48-63	Zoom 21° (without focus correction)
64-79	Zoom 24° (without focus correction)
80-95	Zoom 26° (without focus correction)
96-111	Frost°
112-127	UV-Filter
128-159	Zoom 15° (with focus correction)
160-175	Zoom 18° (with focus correction)
176-191	Zoom 21° (with focus correction)
192-207	Zoom 24° (with focus correction)
208-223	Zoom 26° (with focus correction)
224-239	Frost°
240-255	UV-Filter

Channel 14 – Focus

0-255	From far distance to close distance
-------	-------------------------------------

Channel 15 – Shutter / Strobe

0-31	Shutter closed / Blackout
32-63	Shutter open
64-95	Strobe effect, from slow to fast (0-10 flashes/sec.)
96-127	Shutter open
128-159	Pulse-effect 1, in sequences from slow to fast
160-191	Shutter open
192-223	Random strobe effect, from slow to fast
224-255	Shutter open

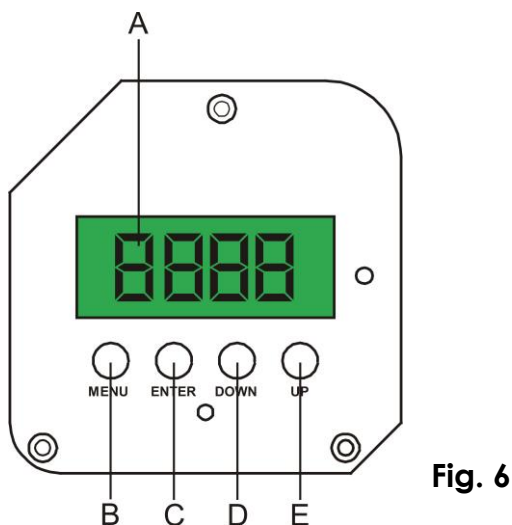
Channel 16 – Dimmer intensity

0-255	From black to brightest
-------	-------------------------

The Explorer can be operated with a controller in **control mode** or without the controller in **stand-alone mode**.

Control Panel

When the indicator light is on, means the Explorer is working.



- A. Display
- B. [MENU] Button
- C. [ENTER] Button
- D. Down Button
- E. Up Button

Control Mode

The fixtures are individually addressed **ADD1 - AS 11** on a data-link and connected to the controller. The fixtures respond to the DMX signal from the controller. (When you select the DMX address and save it, the controller will display the saved DMX address the next time.)

DMX Addressing

The control panel on the front side of the base allows you to assign the DMX fixture address, which is the first channel from which the Explorer will respond to the controller.

Please note when you use the controller, the unit has **16** channels.

When using multiple Explorers, make sure you set the DMX addresses right.

Therefore, the DMX address of the first Explorer should be **1(A001)**; the DMX address of the second Explorer should be **1+16=17 (A017)**; the DMX address of the third Explorer should be **17+16=33 (A033)**, etc. Please, be sure that you don't have any overlapping channels in order to control each Explorer correctly.

If two or more Explorers are addressed similarly, they will work similarly.

For address settings, please refer to the instructions under "Addressing" (menu **ADD1**)

Controlling:

After having addressed all Explorer fixtures, you may now start operating these via your lighting controller.

Note: After switching on, the Explorer will automatically detect whether DMX 512 data is received or not.

If there is no data received at the DMX-input, the "**LED**" on the control panel will not flash.

The problem may be:

- The XLR cable from the controller is not connected with the input of the Explorer.
- The controller is switched off or defective, the cable or connector is defective, or the signal wires are swapped in the input connector.

Note: It's necessary to insert a XLR termination plug (with 120 Ohm) in the last fixture in order to ensure proper transmission on the DMX data link.

Remotely controllable functions

Colour-wheel

The Explorer contains a colour-wheel with 7 colours and one white. It is also possible to rotate the colour-wheel continuously at different speeds.

Rotating gobo-wheel

This rotating gobo-wheel has 2 metal gobos, 3 glass gobos and open.

Static gobo-wheel

1 Static Gobo-wheel with 2 static gobos, 1 glass gobo and 3 color gobos

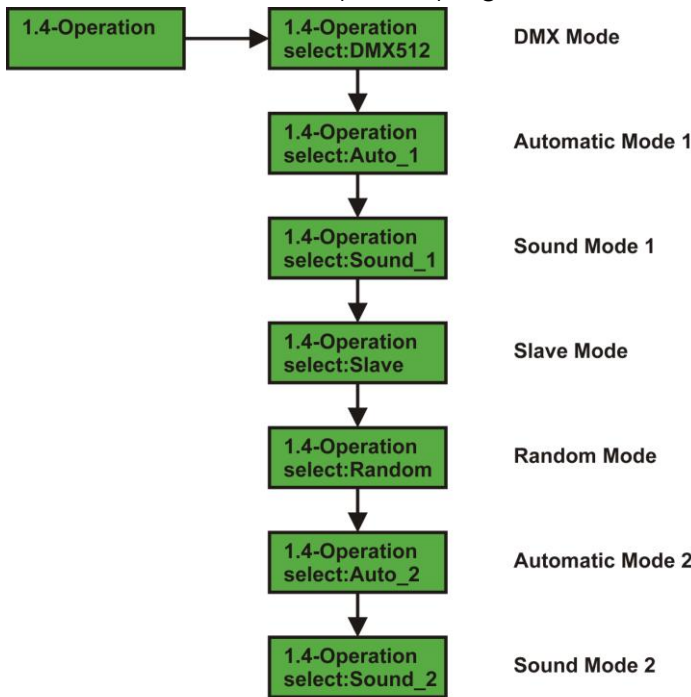
Shutter/Dimmer/Strobe

The dimming (0-100%) is provided by a simple mechanical shutter unit. This unit may also be used for strobe effect (1-10 flashes per second).

Control Panel Functions

Stand-alone Mode

The fixture can execute 2 pre-set programs.



Use the MENU button to set the fixture to Auto_1, or Auto_2. The Explorer will now play its built-in program.

For synchronous operation of multiple fixtures the fixtures must all be connected on a data-link.

Note: Disconnect the fixtures from the DMX controller before operating, otherwise data collisions can occur and the fixtures will not work properly!

It's necessary to insert the XLR termination plug (with 120 Ohm) into the input of the first fixture and into the output of the last fixture in the data-link, in order to ensure proper transmission on the data link.

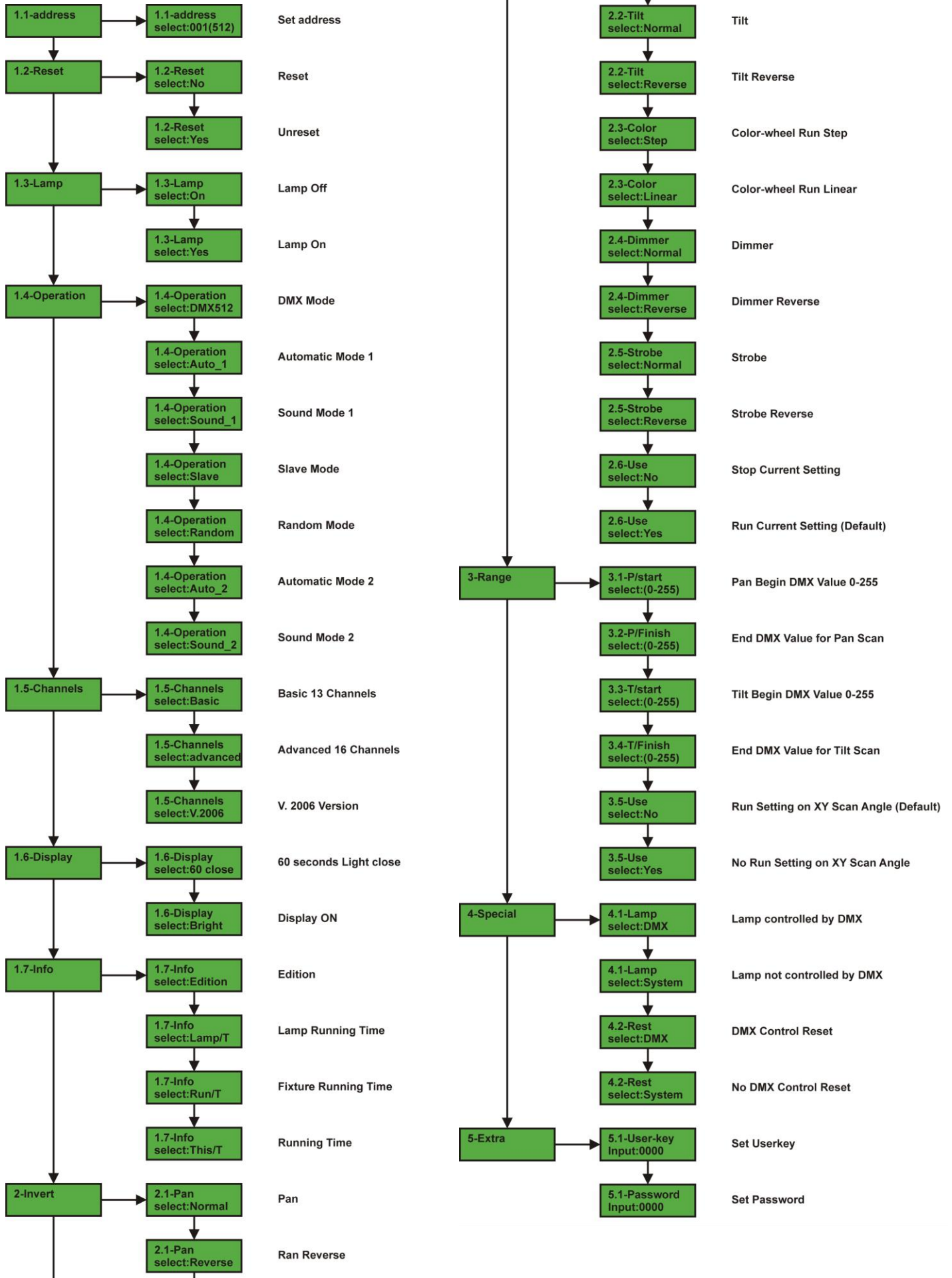
Addressing

With this menu you can set the DMX address or address a fixture as a master/slave.

001 - DMX addressing

- 1) Press MENU until the display shows 1.1-address, then press ENTER. The display will now show 001.
- 2) And press ▲ and ▼ to select the required address 001 – 512, press ENTER to confirm.
- 3) Press MENU, the chosen address is shown on the display.

Menu Overview



Advanced DMX Mode (16 Channels)

Channel	Function
1	Horizontal movement (Pan)
2	Vertical movement (Tilt)
3	Pan fine 16 bit
4	Tilt fine 16 bit
5	Scan Speed Adjustment
6	Lamp ON OFF & Reset
7	Static Color-wheel 1
8	Prism + Lambency
9	Prism rotating control
10	Static Gobo-wheel 1 + Gobo Shake
11	Rotating Color-wheel 2 + Gobo Shake
12	Gobowheel 2 rotation
13	Zoom, Frost, UV Filter
14	Focus
15	Shutter / Strobe
16	Dimmer intensity

Basic DMX Mode (13 Channels)

Channel	Function
1	Horizontal movement (Pan)
2	Vertical movement (Tilt)
3	Lamp ON OFF & Reset
4	Static Color-wheel 1
5	Prism + Lambency
6	Prism rotating control
7	Static Gobo-wheel 1 + Gobo Shake
8	Rotating Color-wheel 2 + Gobo Shake
9	Gobowheel 2 rotation
10	Zoom, Frost, UV Filter
11	Focus
12	Shutter / Strobe
13	Dimmer intensity

V. 2006 DMX Mode (16 Channels)

Channel	Function
1	Horizontal movement (Pan)
2	Vertical movement (Tilt)
3	Pan fine 16 bit
4	Tilt fine 16 bit
5	Scan Speed Adjustment
6	Lamp ON OFF & Reset
7	Static Color-wheel 1
8	Prism + Lambency
9	Prism rotating control
10	Static Gobo-wheel 1 + Gobo Shake
11	Rotating Color-wheel 2 + Gobo Shake
12	Gobowheel 2 rotation
13	Zoom, Frost, UV Filter
14	Focus
15	Shutter / Strobe
16	Dimmer intensity

Replacing a Fuse

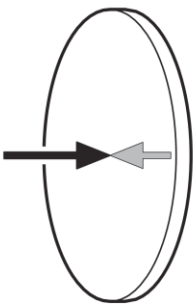
Power surges, short-circuit or inappropriate electrical power supply may cause a fuse to burn out. If the fuse burns out, the product will not function whatsoever. If this happens, follow the directions below to do so.

1. Unplug the unit from electric power source.
2. Insert a flat-head screwdriver into a slot in the fuse cover. Gently pry up the fuse cover. The fuse will come out.
3. Remove the used fuse. If brown or unclear, it is burned out.
4. Insert the replacement fuse into the holder where the old fuse was. Reinsert the fuse cover. Be sure to use a fuse of the same type and specification. See the product specification label for details.

Gobo Orientation

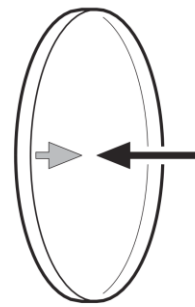
Coated glass gobos are inserted with the coating against the rim of the holder (away from the spring). Textured gobos are inserted with the smooth side against the spring. This provides the best results when combining rotating gobos.

Coated side



When an object is held up to the coated side there is no space between the object and its reflection. The back edge of the gobo cannot be seen when looking through the coated side.

Uncoated side



When an object is held up to the uncoated side there is a space between the object and its reflection. The back edge of the gobo can be seen when looking through the uncoated side.

Replacing a Gobo from the Rotating Gobo-wheel

Gobo-wheel with rotating gobo's

1. Disconnect mains power supply and set the switch to OFF.
2. Make sure that the gobo you want to insert has the same size (outer diameter is 37mm and the inner diameter is 29mm).
3. Turn the gobo wheel, with the gobo you want to remove, to the upside.
4. Very carefully take the pinchcock (fig 7 and 8) out of the gobo wheel, but pay attention that the pinchcock does not fall in the device. Then push the gobo out.
5. Place the new gobo in the gobo wheel. Carefully put the pinchcock back, gently press the pinchcock a little bit together. Possibly use a pair of pliers to press the pinchcock a little bit together.
6. Replace the maintenance cap and fasten all screws.

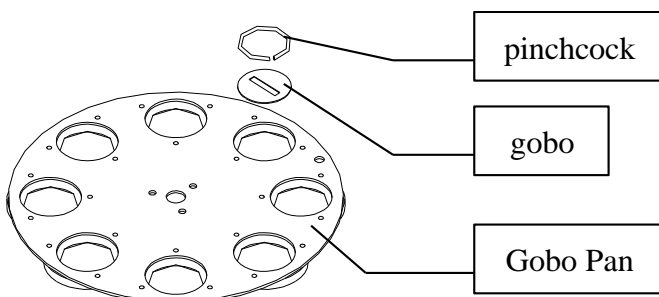


Fig. 7

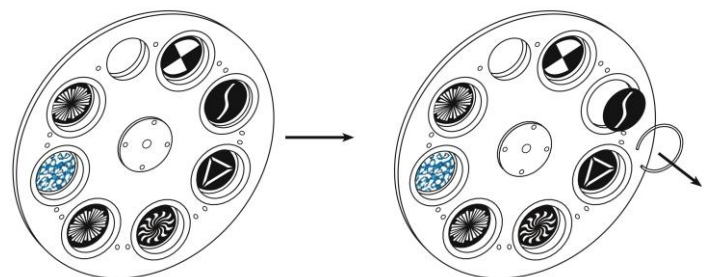


Fig. 8

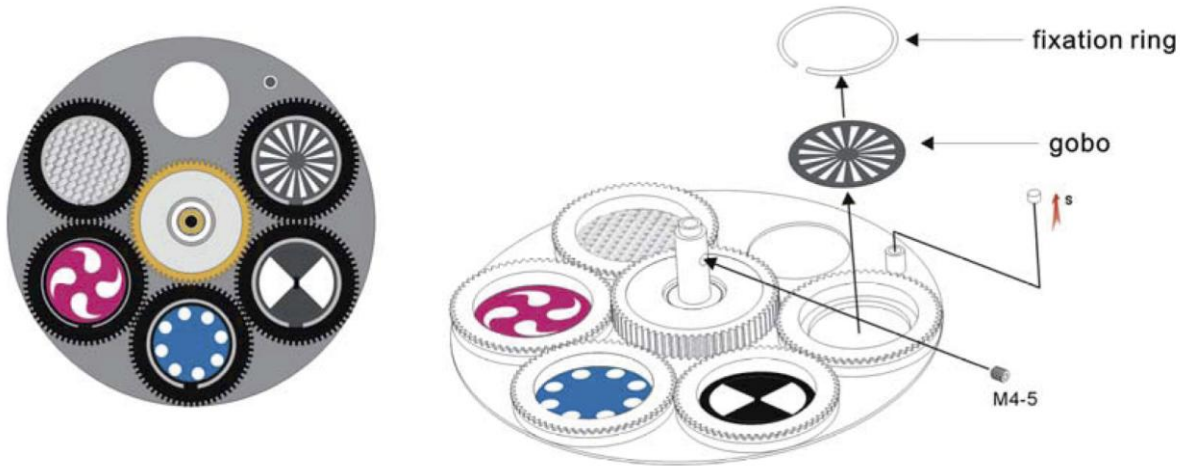


Fig. 9

Replacing a Gobo from the Static Gobo-wheel

Gobo-wheel with rotating gobo's

1. Disconnect mains power supply and set the switch to OFF.
2. Make sure that the gobo you want to insert has the same size (outer diameter is 37mm and the inner diameter is 29mm).
3. Turn the gobo wheel, with the gobo you want to remove, to the upside.
4. Gently bend out the gobo holder to release it from the fixative holes and eject it from the pressing snap.
5. Very carefully take the pinchcock out of the gobo holder, but pay attention that the pinchcock does not fall in the device. Then push the gobo out.
6. Place the new gobo in the gobo holder. Carefully put the pinchcock back, gently press the pinchcock a little bit together. Possibly use a pair of pliers to press the pinchcock a little bit together.
7. Put the gobo holder back under the pressing snap and push it to the 3 fixative notches.
8. Replace the maintenance cap and fasten all screws.

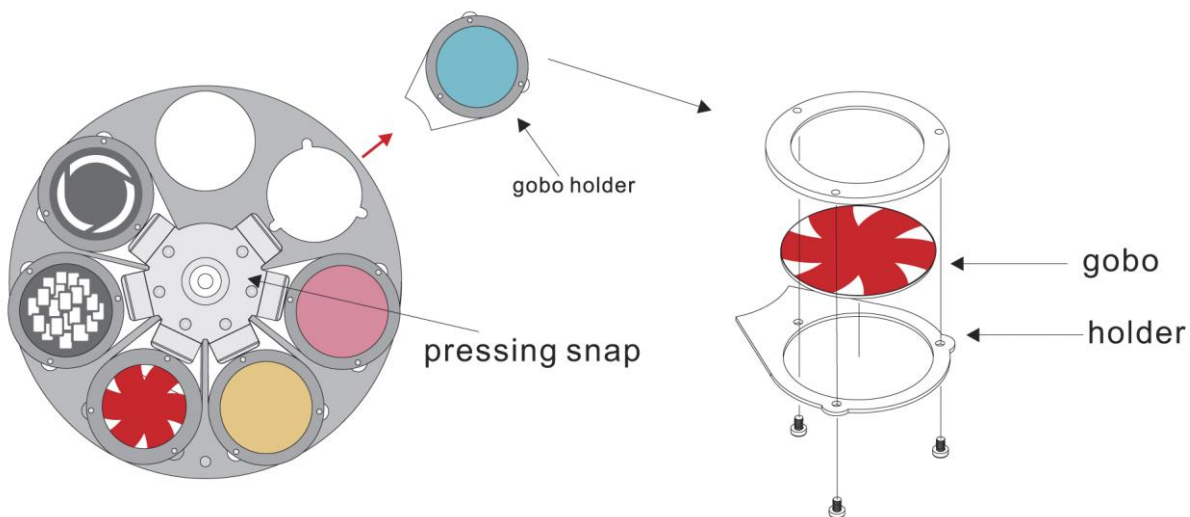
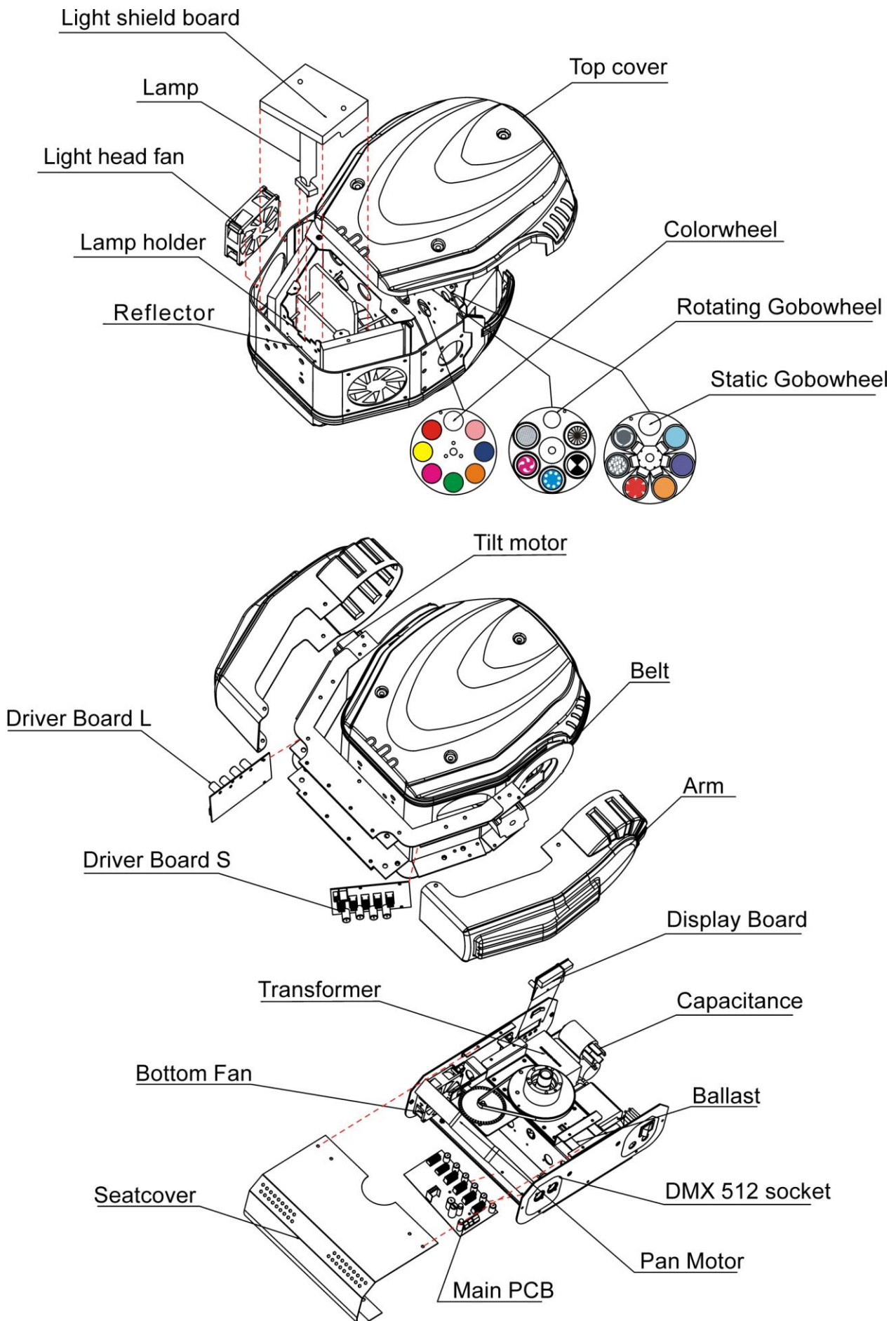
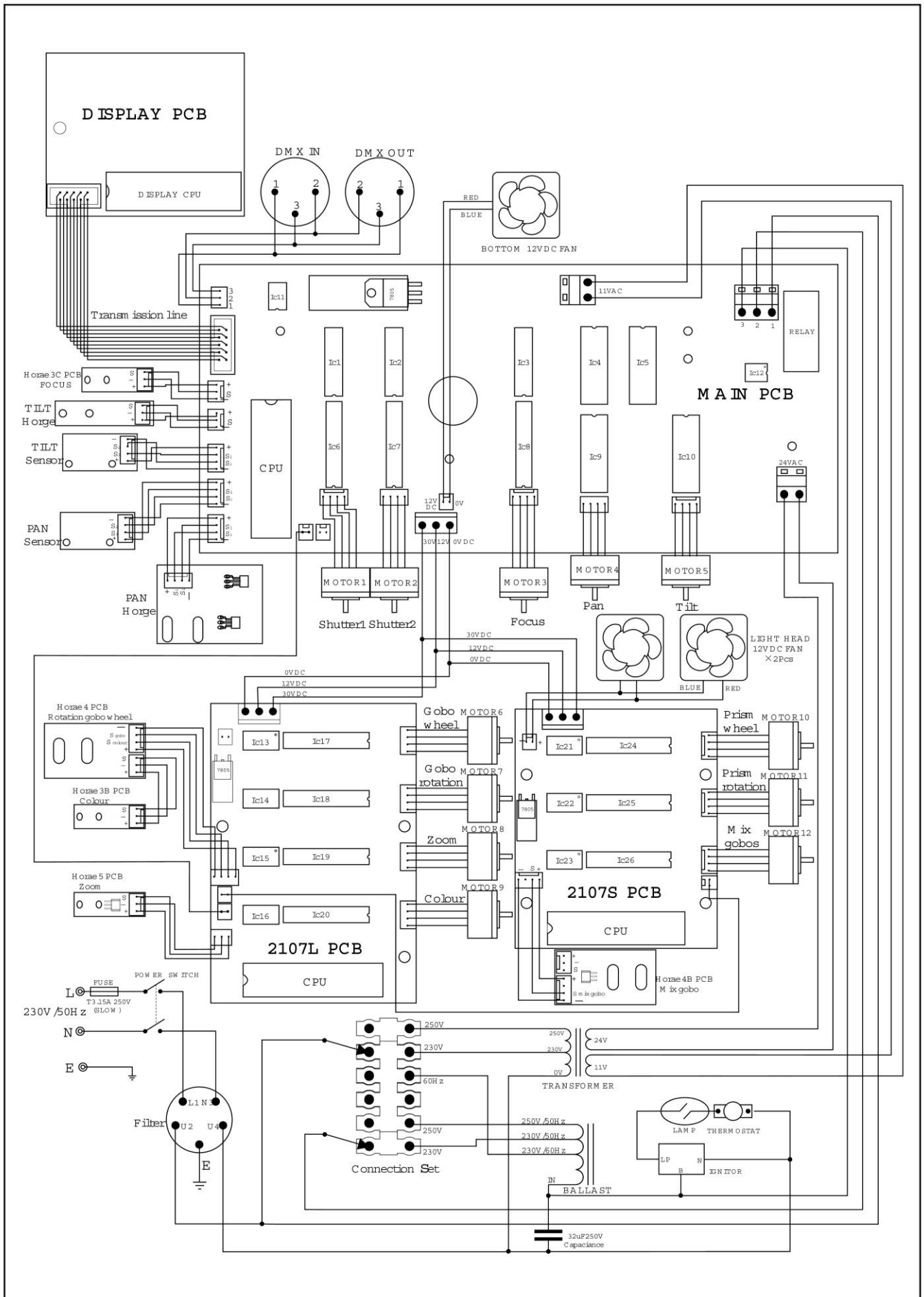


Fig. 10

Structure of the Fixture



Electrical Diagram



Troubleshooting

No Light, No Movement - All Products

This troubleshooting guide is meant to help solve simple problems. If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.

If the light effect does not operate properly, refer servicing to a technician.

Response: Suspect three potential problem areas: the power supply, the lamp, the fuse.

1. Power supply. Check that the unit is plugged into an appropriate power supply.
2. The lamp. Replace the old lamp with a new one with the same specifications. See page 7 for replacing lamps.
3. The fuse. Replace the fuse. See page 19 for replacing the fuse.

No Response to DMX

Response: Suspect the DMX cable or connectors, a controller malfunction, a light effect DMX card malfunction.

1. Check the DMX cable: Unplug the unit; change the DMX cable; then reconnect to electrical power. Try your DMX control again.
2. Determine whether the controller or light effect is at fault. Does the controller operate properly with other DMX products ? If not, take the controller in for repair. If so, take the DMX cable and the light effect to a qualified technician.

See next page for more problem solving.

Problem	Probable cause(s)	Remedy
One or more fixtures are completely dead.	No power to the fixture	· Check that power is switched on and cables are plugged in.
	Primary fuse blown.	· Replace fuse.
Fixtures reset correctly, but all respond erratically or not at all to the controller.	The controller is not connected.	· Connect controller.
	3-pin XLR Out of the controller does not match XLR Out of the first fixture on the link (i.e. signal is reversed).	· Install a phase reversing cable between the controller and the first fixture on the link.
Fixtures reset correctly, but some respond erratically or not at all to the controller.	Poor data quality	· Check data quality. If much lower than 100 percent, the problem may be a bad data link connection, poor quality or broken cables, missing termination plug, or a defective fixture disturbing the link.
	Bad data link connection	· Inspect connections and cables. Correct poor connections. Repair or replace damaged cables.
	Data link not terminated with 120 Ohm termination plug.	· Insert termination plug in output jack of the last fixture on the link.
	Incorrect addressing of the fixtures.	· Check address setting.
	One of the fixtures is defective and disturbs data transmission on the link.	· Bypass one fixture at a time until normal operation is regained: unplug both connectors and connect them directly together. · Have the defective fixture serviced by a qualified technician.
	3-pin XLR Out on the fixtures does not match (pins 2 and 3 reversed).	· Install a phase-reversing cable between the fixtures or swap pin 2 and 3 in the fixture, that behaves erratically.
Shutter closes suddenly	The color wheel, gobo wheel, or a gobo has lost its index position and the fixture is resetting the effect.	· Contact a technician for servicing if the problem persists.
No light	The power supply settings do not match local AC voltage and frequency.	· Disconnect fixture. Check settings and correct if necessary.
	Lamp missing or blown	· Disconnect fixture and replace lamp.
Lamp cuts out intermittently.	Fixture is too hot.	· Allow fixture to cool. · Clean fan. · Make sure air vents at control panel and front lens are not blocked. · Turn up the air conditioning.
	The power supply settings do not match local AC voltage and frequency.	· Disconnect fixture. Check settings and correct if necessary.

Product Specification

Model: Showtec Explorer Pro

Voltage: 240V-50Hz (CE)

Fuse: 3,15A / 250V

Dimensions: 380x350x470mm (LxWxH)

Weight: 28,2 kg

Operation and Programming

Signal pin OUT: pin 1 earth, pin 2 (-), pin 3 (+)

Set Up and Addressing: LED control panel

DMX Channels: 16

Signal input 3-pin XLR male

Signal output 3-pin XLR female

Lamp

Allowed lamp models*:

Showtec NSD 250/2 (2000 hr) (ordercode 82603)

Philips MSD 250 (3000 hr; 6700K) ordercode 80920P

Osram HSD 250 (2000 hr; 6000K) ordercode 80926O

Sylvania 250 (3500 hr; 8500K) ordercode 80926S

Osram HSD 250/78 (1000 hr; 7800K) (ordercode 80933O)

Osram HSD 250/80 (1000 hr; 8000K) (ordercode 80935)

Control: Automatic and DMX remote ON / OFF

Electro-mechanical effects

1 Color-wheel with 7 colored gobos, and open

1 Gobo-wheel with 2 metal and 3 glass interchangeable rotating gobos plus open

1 Static Gobo-wheel with 2 static gobos, 1 glass gobo and 3 color gobos

Gobo rotation: adjustable speed,

All lenses are anti-reflection coated

High luminous-efficiency parabolic system

Strobe-effect with variable speed (1 flash -- 10 flashes/sec.)

DMX-control via standard DMX-controller

Pan 0° -- 530°

Tilt 0° -- 280°

Automatic Pan / Tilt position correction

Zoom: 15°, 18°, 21°, 24°, 26°

Prism: 3-facet prism

Gobos

Glass gobo: heat-resistant and intensify glass; dichroic glass coating

Max. ambient temperature t_a : 40°C; Max. housing temperature t_B : 80°C

Rotating Gobo wheel: Outer diameter: 37mm, Inner diameter: 29mm

Static Gobo wheel: Outer diameter: 37mm, Inner diameter: 29mm

Cooling: 3 axial fans - two fan in the projector and one in the base

Motor: high quality stepping-motor controlled by microprocessors

Minimum distance:

Minimum distance from flammable surfaces: 0.5m

Minimum distance to lighted object: 2m

*: Versions for other lamps may be produced. Please check the specification label on your product.

Design and product specifications are subject to change without prior notice.





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