

6 MAINTENANCE AND CLEANING

The following points have to be considered during the inspection:

- 1) All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
- 2) There must not be any deformations on the housing, color lenses, fixations and installation spots (ceiling, suspension, trussing).
- 3) Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
- 4) The electric power supply cables must not show any damage, material fatigue or sediments.

Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.



CAUTION

Disconnect from mains before starting maintenance operation.



In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

- 1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
- 2) Clean the fan each week.
- 3) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint- free cloth. Never use alcohol or solvents.

There are no serviceable parts inside the device. Please refer to the instructions under "Installation instructions".

Should you need any spare parts, please order genuine parts from your local dealer.

STECHNICS

BARSHOW 1040 RGBW



CE F  IP20 $t_a 40^\circ\text{C}$ $t_c 150^\circ\text{C}$

User Manual

KEEP THIS MANUAL FOR FUTURE NEEDS

1 SAFETY INSTRUCTIONS



CAUTION

Becareful with your operations. With a dangerous voltage you cansuffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition. In order to maintain this 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 user manual.



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.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperature.

This device falls under protection-class I. Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person.

The device shall only be used with rate voltage and frequency.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

Fixtures cannot be installed on combustible substances, keep more than 50cm distance with wall for smooth air flow, so there should be no shelter for fans and ventilation for heat radiation.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

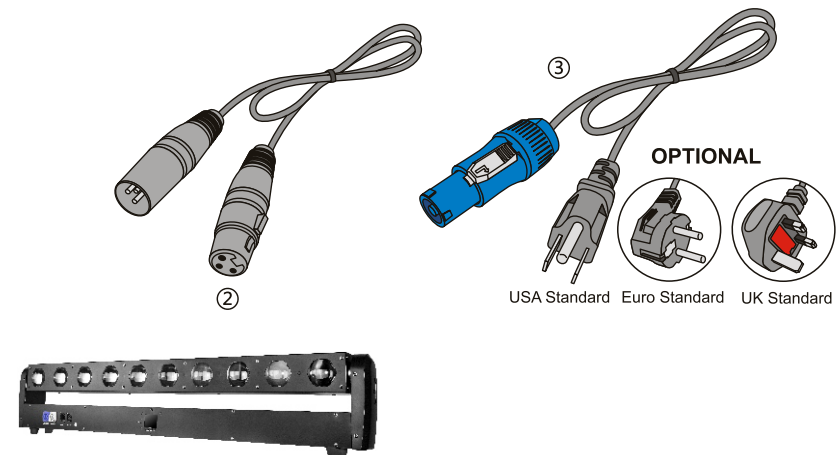
			0-10	No Function
			11-15	Show1
			16-20	Show2
			21-25	Show3
			26-30	Show4
			31-35	Show5
			36-40	Show6
			41-45	Show7
			46-50	Show8
			51-55	Show9
			56-60	Show10
			61-65	Show11
			66-70	Show12
			71-75	Show13
			76-80	Show14
			81-85	Show15
			86-90	Show16
			91-95	Show17
			96-100	Show18
			101-105	Show19
			106-110	Show20
			111-115	Show21
			116-120	Show22
			121-125	Show23
			126-130	Show24
			131-135	Show25
			136-140	Show26
			141-145	Show27
			146-150	Show28
			151-155	Show29
			156-160	Show30
			161-165	Show31
			166-170	Show32
			171-175	Show33
			176-180	Show34
			181-185	Show35
			186-190	Show36
			191-195	Show37
			196-200	Show38
			201-205	Show39
			206-210	Show40
			211-215	Show41
			216-220	Show42
			221-235	Show43
			236-245	Sound1
			246-255	Sound2
14	14	Show Speed	0-255	Show Speed Slow to Fast
15	15	Red1	0-255	0-100%
16	16	Green1	0-255	0-100%
17	17	Blue1	0-255	0-100%

54CH	54CH	Function	DMX Value	Description
1	1	Tilt	0-255	0-100%
2	2	Tilt Fine	0-255	0-100%
3	3	Dimmer	0-255	0-100%
4	4	Strobe	0-19	No Effect
			20-255	Strobe slow to fast
5	5	Red	0-255	0-100%
6	6	Green	0-255	0-100%
7	7	Blue	0-255	0-100%
8	8	White	0-255	0-100%
9	9	Color Macro	0-10	No Function
			11-30	R 100%,G 50-100-50%,B 0
			31-50	R 100%-0,G 100%, B,0
			51-70	R 0,G 100%,B 0-100%
			71-90	R 0,G 100%-0,B 100%
			91-110	R 0-100%, G 0, B 100%
			111-130	R 100%,G 0, B 100%-0
			131-150	R 100% ,G 0-100% ,B 0-100%
			151-170	R 100%-0, G 100%-0, B 100%
			171-200	R 100%,G 100%, B 100%
			201-205	Color 1
			206-210	Color 2
			211-215	Color 3
			216-220	Color 4
			221-225	Color 5
			226-230	Color 6
			231-235	Color 7
236-240	Color 8			
241-245	Color 9			
246-250	Color 10			
251-255	Color 11			
10	10	Foreground Dimmer	0-255	0-100%
11	11	Background	0-10	No Function
			11-255	Background Color
12	12	Background Dimmer	0-255	0-100%

2 UNPACKING

The BEAMBAR 1040FP is an ultra high power LED based moving head beam bar with smart and compact stylish fireproof housing with a smooth, fast and quiet TILT movement. The beam angle is 2° for each LED with sharp beam effect. It features 10*40W 4-in-1 RGBW LED sources with pixel mapping capability which not only allows you to create an endless range of color variations, but also to use each LED of the array as a pixel in order to draw all kinds of graphic images that change dynamically both in shape and color. It provides variable speed shutter/strobe effect, virtual color macro effect, dynamic patterns, static patterns to it's users for easy operation. It comes with kinds of DMX channel profiles. The 2*1/4 turn fastening omega clamps. The BEAMBAR 1040FP supports DMX, RDM (Remote Device Management).

The fixture is tuned with proper LED refresh rate for flicker free operation for TV and FILM. It's a perfect option for large scale live concerts, TV productions, road shows, theatre, etc.



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① BEAMBAR 1040FP	1PC
② Signal Cable	1PC
③ Power Cable	1PC
④ User Manual	1PC

3 FEATURES & SPECIFICATIONS

Features

40W 4-IN-1 RGBW LED
 Flicker free operation for broadcast TV and FILM
 Life Span: 50000H
 10PCS high efficiency acrylic lens
 2°Beam angle with sharp beam effect
 TILT movement: 230°(8/16 bit)
 Fast, quiet, smooth and precise 2-Phase motors
 Smooth, fast and precise resolution for TILT movement with low noise operation
 Scan position memory, auto reposition after unexpected movement
 Pixel mapping capability with each LEDs controllable individually
 Sophisticated 4 colors RGBW mixed
 Sharp beam effect
 Preset color macros
 Preset patterns with variable speed
 Preset foreground color options for PATTERNS, with 0-100% linear dimmer
 Preset background color options for PATTERNS, with 0-100% linear dimmer
 1-25T/sec high speed shutter/strobe effect with variable speed
 0-100% Smooth linear LED dimming with fine control
 5/7/14/18/42/54 DMX channels USITT DMX-512
 DMX512, master-slave, sound activated or auto operation
 Sound control sensitivity adjustable
 Multi preset internal programs
 DMX recorder and edit function integrated
 RDM available (Remote Device Management)
 Wireless Solution's wireless receiver system built-in
 Shielded input signal protection for stable signal without interference
 3-Pin XLR connectors IN/OUT
 1.8" TFT LCD display
 English/Chinese menu
 4 Control buttons
 180°Reversible for LCD display
 Display auto OFF
 Advanced cooling system integrated aluminum and copper with liquid
 Constant temperature readout and management function
 Over temperature protection management
 Electronic supply with active PFC
 AC100-240V 50/60Hz
 PowerCON IN/OUT with switch and fuse
 960W Power consumption
 IP20 protection rating
 N.W.: 13.6kg
 G.W.: 25.5kg
 Product Dimensions: 283.7(D)*1000(W)*230(H)mm
 Packing Dimensions: 190(D)*1300(W)*380(H)mm

17	17	Show	46-50	Show8			
			51-55	Show9			
			56-60	Show10			
			61-65	Show11			
			66-70	Show12			
			71-75	Show13			
			76-80	Show14			
			81-85	Show15			
			86-90	Show16			
			91-95	Show17			
			96-100	Show18			
			101-105	Show19			
			106-110	Show20			
			111-115	Show21			
			116-120	Show22			
			121-125	Show23			
			126-130	Show24			
			131-135	Show25			
			136-140	Show26			
			141-145	Show27			
			146-150	Show28			
			151-155	Show29			
			156-160	Show30			
			161-165	Show31			
			166-170	Show32			
			171-175	Show33			
			176-180	Show34			
			181-185	Show35			
			186-190	Show36			
			191-195	Show37			
			196-200	Show38			
			201-205	Show39			
			206-210	Show40			
			211-215	Show41			
			216-220	Show42			
			221-225	Show43			
			226-230	Show44			
			231-235	Show45			
			236-245	Sound1			
			246-255	Sound2			
			18	18	Show Speed	0-255	Show Speed Slow to Fast

42通道模式	42CH	Function	DMX Value	Description
1	1	Tilt	0-255	0-100%
2	2	Tilt Fine	0-255	0-100%
3	3	Red1	0-255	0-100%
4	4	Green1	0-255	0-100%
5	5	Blue1	0-255	0-100%
6	6	White1	0-255	0-100%
7	7	Red2	0-255	0-100%
8	8	Green2	0-255	0-100%
9	9	Blue2	0-255	0-100%
10	10	White2	0-255	0-100%
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18通道模式	18CH	Function	DMX Value	Description
1	1	Tilt	0-255	0-100%
2	2	Tilt Fine	0-255	0-100%
3	3	Dimmer	0-255	0-100%
4	4	Strobe	0-19	No Effect
			20-255	Strobe slow to fast
5	5	1 Color Select	0-10	No Function
			11-25	Red
			24-40	Green
			41-55	Blue
			56-70	White
			71-85	R +G
			86-100	R+B
			101-115	G+B
			116-130	R+W
			131-145	G+W
			146-160	B+W
			161-175	R+G+W
			176-190	R+B+W
191-205	G+B+W			
206-255	R+G+B+W			
:	:			
14	14	10 Color Select	0-10	No Function
			11-25	Red
			24-40	Green
			41-55	Blue
			56-70	White
			71-85	R +G
			86-100	R+B
			101-115	G+B
			116-130	R+W
			131-145	G+W
			146-160	B+W
			161-175	R+G+W
			176-190	R+B+W
191-205	G+B+W			
206-255	R+G+B+W			
15	15	Foreground Dimmer	0-255	0-100%
16	16	Background Dimmer	0-255	0-100%
17	17	Show	0-10	No Function
			11-15	Show1
			16-20	Show2
			21-25	Show3
			26-30	Show4
			31-35	Show5
			36-40	Show6
			41-45	Show7

4 MENU OPERATIONS

Address	1-512	
RUN	DMX512	
	ARTNET	
	Auto	
	Sound	
DMX MODE	CH5	
	CH7	
	CH14	
	CH18	
	CH42	
	CH54	
TEST	LED	
SET	DISPLAY	No/Yes
	Signal Keep	No/Yes
	Slave	No/Yes
INFO	Version	Vx.xx
	Tilt	
MANUAL	Red	
	Green	
	Blue	
	Strobe	
RESET	All Reset	No/Yes

5 DMX CHANNELS

5通道模式	5CH	Function	DMX Value	Description
1	1	Tilt	0-255	0-100%
2	2	Red	0-255	0-100%
3	3	Green	0-255	0-100%
4	4	Blue	0-255	0-100%
5	5	White	0-255	0-100%

7通道模式	7CH	Function	DMX Value	Description
1	1	Tilt	0-255	0-100%
2	2	Dimmer	0-255	0-100%
3	3	Strobe	0-19	No Effect
			20-255	Strobe slow to fast
4	4	Red	0-255	0-100%
5	5	Green	0-255	0-100%
6	6	Blue	0-255	0-100%
7	7	White	0-255	0-100%

14通道模式	14CH	Function	DMX Value	Description
1	1	Tilt	0-255	0-100%
2	2	Tilt Fine	0-255	0-100%
3	3	Dimmer	0-255	0-100%
4	4	Strobe	0-19	No Effect
			20-255	Strobe slow to fast
5	5	Red	0-255	0-100%
6	6	Green	0-255	0-100%
7	7	Blue	0-255	0-100%
8	8	White	0-255	0-100%
9	9	Color Macro	0-10	No Function
			11-30	R 100%,G 50-100-50%,B 0
			31-50	R 100%-0,G 100%, B,0
			51-70	R 0,G 100%,B 0-100%
			71-90	R 0,G 100%-0,B 100%
			91-110	R 0-100%, G 0, B 100%
			111-130	R 100%,G 0, B 100%-0
			131-150	R 100% ,G 0-100% ,B 0-100%
			151-170	R 100%-0 , G 100%-0 , B 100%
			171-200	R 100%,G 100%, B 100%
			201-205	Color 1
			206-210	Color 2
			211-215	Color 3
			216-220	Color 4
			221-225	Color 5
			226-230	Color 6
			231-235	Color 7
236-240	Color 8			
241-245	Color 9			
246-250	Color 10			
251-255	Color 11			

10	10	Foreground Dimmer	0-255	0-100%
11	11	Background	0-10	No Function
			11-255	Background Color
12	12	Background Dimmer	0-255	0-100%
			0-10	No Function
			11-15	Show1
			16-20	Show2
			21-25	Show3
			26-30	Show4
			31-35	Show5
			36-40	Show6
			41-45	Show7
			46-50	Show8
			51-55	Show9
			56-60	Show10
			61-65	Show11
			66-70	Show12
			71-75	Show13
			76-80	Show14
			81-85	Show15
			86-90	Show16
			91-95	Show17
			96-100	Show18
			101-105	Show19
			106-110	Show20
			111-115	Show21
			116-120	Show22
			121-125	Show23
			126-130	Show24
			131-135	Show25
136-140	Show26			
141-145	Show27			
146-150	Show28			
151-155	Show29			
156-160	Show30			
161-165	Show31			
166-170	Show32			
171-175	Show33			
176-180	Show34			
181-185	Show35			
186-190	Show36			
191-195	Show37			
196-200	Show38			
201-205	Show39			
206-210	Show40			
211-215	Show41			
216-220	Show42			
221-235	Show43			
236-245	Sound1			
246-255	Sound2			
13	13	Show		
13	13	Show		
14	14	Show Speed	0-255	Show Speed Slow to Fast