

**KARMA<sup>®</sup>**  
**TM BEAM180**  
**Multi Effect**  
**Moving Head**



# KARMA TM BEAM180 Multi Effect Moving Head Instruction Manual

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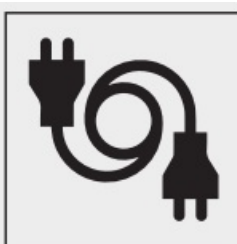
**KARMA TM BEAM180 Multi Effect Moving Head**



## PACKAGING CONTENT



EFFETTO LUCE  
Light effect



CAVO ALIMENT.  
Power cable



MANUALE  
Manual

When you open the package check that product is in good condition and that all the parts are present. Immediately notify the seller if any part is damaged or missing .

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## TECHNICAL SPECIFICATIONS

- **Side effects**  
12 x 1 OW CREE led [RGBW]
- **Strobe effect**  
6 x 10W COB led (0,3 – 25 flash/sec)
- **PAN**

540°

- **TILT**

270°

- **Dimmer**

0-100%

- **Strobe function**

Yes

- **Connectors**

XLR 3 pin

- **Operating modes**

Auto / Sound / OMX / Master-slave

- **Color**

Black

- **DMX channels**

6 -11

- **Consumption**

150W

- **Power supply**

110/240V ~ ; 50-60Hz

- **Dimensions**

265 x 340 x 205 mm

- **Weight**

4,4B Kg

## **THANK YOU FOR YOUR PURCHASE**

The product you have purchased is the result of careful planning by specialized engineers. High quality materials were used for its construction, to ensure its functioning over time.

The product is manufactured in compliance with the strict regulations imposed by the European Union, a guarantee of reliability and safety.

Please read this manual carefully before starting using the device in order to take advantage of its full potential.

Hoping that you will be satisfied of your purchase, we thank you again for your trust in our brand and we invite you to visit our website [www.karmaitaliana.it](http://www.karmaitaliana.it) where you will find the whole range of our products, along with useful information and updates.

## **CAUTIONS AND WARNINGS**

- Read and follow strictly the instructions contained in this manual.
- Keep this manual for future reference and include it if you give the product to another user.
- This device works with dangerous 11 D-230V mains power. Do not open, do not disassemble and don't try to operate inside it. In case of wrong use an electric shock may occur.
- The installation of the product must be carried out exclusively by specialized technicians.  
In case of wrong installation or connections, the manufacturer doesn't take any responsibility for damages to people or objects.
- Make sure that your power outlet voltage matches with the voltage set on the product.  
A wrong voltage would seriously damage the fixture.

- To avoid the risk of dangerous electric shocks, before turning on the product always check that it is connected to a circuit with suitable earth ground. Never cut internal or external ground wires.
- Before making any connection with other devices, check that all the fixtures are disconnected from the power source.
- If you need to suspend the product use only the original bracket. Make sure that the structure where it is mounted can support its weight and fasten it firmly, using also a safety cable.
- The product is not suitable for outdoor use. To avoid the risk of shortcircuits don't expose it to high temperatures [above 40°), rain or humidity.
- Do not allow flammable liquid, water or metal objects to enter the product.
- Don't touch the product with wet hands.
- Do not place any recipients filled with liquids, such as vases, on top of or directly next to the appliance.
- Install the product in a stable and ventilated position, far from heat sources and don't obstruct the air vents and the cooling fan.
- Use the fixture and its controls with due accuracy, avoiding falls, vibrations or impacts.
- If the product doesn't turn on, check the fuse and if necessary replace it with one of the same type and rating, after disconnecting the fixture from power.
- In the event of a serious operating problem, stop using the product immediately. Never try to repair it by yourself, but contact the authorized technical service center. Repairs carried out by unskilled persons could lead to serious damages both to the fixture and to people.
- Never address the light beam directly towards people's eyes.
- Do not turn the product on and off at short intervals, it may reduce the life of the device.
- Disconnect the unit from power when it is not used.
- Never disconnect the product from the power source by pulling on the cord. Do not cut, kink, otherwise damage nor modify the power supply cord and periodically check that it is in good condition.
- Wait for the product to cool before cleaning or maintenance.
- To clean the product, use only a dry or slightly damp cloth, avoiding solvents or detergents of any kind.
- If the product is used in the presence of children they must be supervised.



**WARNING:** to reduce the risk of electric shock, do not remove the cover.

No serviceable parts for the user inside. For servicing refer to qualified personnel.



This symbol alerts you of the presence of important operating and maintenance instructions, in the manual or in the documentation accompanying the product



This symbol indicates a risk of electric shock in case of wrong use or alteration of the product.



The CE mark indicates that this product complies with the applicable European directives and their related standards. Compliance documentation in complete form is available at the company Karma Italiana Sri



Directive 2012/19/UE regarding electric and electronic equipment waste [WEEE].

The symbol of the crossed-out dustbin indicates that the product at the end of its life must be collected separately from other waste. The user must, therefore, confer the fixture complete with all the essential components to an authorized disposal center for collection of electronic and electrical waste, or return it to the dealer when buying new equipment of equivalent type, at a rate of one to one, or one to zero if external dimension is less than 25cm. Appropriate separate collection to send the decommissioned equipment to recycling, treatment and environmentally compatible disposal helps to prevent negative impact on the environment and human health and promotes recycling of the materials making up the product. In Italy illegal dumping of the product by the user entails the application of administrative sanctions pursuant to Legislative Decree n. 49 (14/03/2014).

## WARRANTY CONDITIONS

The product is covered by warranty according to current national and European regulations.

For detailed warranty conditions and RMA requests please refer to our website: [www.karmaitaliana.it](http://www.karmaitaliana.it).

- The warranty covers manufacturing defects and faults occurred in the first 2 years from the date of purchase. In case of purchase with invoice, the warranty is limited to 1 year.
- Damages caused by negligence or wrong use of the device are not covered by warranty.
- The warranty is no longer effective if the item is modified or disassembled by not authorized people.
- This warranty doesn't necessarily envisage the product's replacement.
- External components, batteries, knobs, switches and any removable or subject to wear and tear parts are excluded from warranty.
- Shipment for the return of faulty items is at expense and risk of the owner.
- For all intents and purposes the warranty is effective only upon exhibition of the invoice or of the purchase receipt.
- If you send the product for repair, it must be shipped with complete original packaging: we therefore recommend to save it.

We also suggest to register your product on our website [www.karmaitaliana.it](http://www.karmaitaliana.it), after signing in to access the reserved area. In this way you will have the possibility to keep track of the warranty validity and to receive updates on our items.

## PRODUCT OVERVIEW



The fixture you have purchased includes a beam effect (1), produced by 12 leds contained in the two side blocks and a strobe effect (2) produced by the 6 powerful central leds.

## INSTRUCTION

### POSITIONING

This light effect can be placed on a surface or hung on stands by means of the included bracket, which can be fixed on the bottom of the fixture, allowing to mount it upside down.

On the back it features a cooling fan (8). Take care that it is not covered or obstructed and keep it clean, removing dust, so that it can work properly.

## OPERATION

To turn on the fixture connect the cable to the back socket (6) and then insert the plug into an electrical power outlet.

If the fixture doesn't turn on, disconnect the power cable, extract the fuse (7) and check if it is good. If it is blown replace it with one of the same rating.

The light effect can operate in auto mode, sound activated mode [thanks to the built-in microphone], or connected to a professional OMX 512 system.

If you mean to connect it to a OMX system with an external controller, you have to connect the input XLR cable to the OMX IN socket (4) and the output XLR cable to the OMX OUT socket [5]. In this way the OMX signal will be transmitted from a fixture to another. On next page you will find some basic instructions on OMX operating mode.

If no controller is connected, it is possible to arrange a cascade connection of several fixtures, so that they perform the same effect. The first unit will operate as a master and the others will be slave (on the units you have to set the address 001).

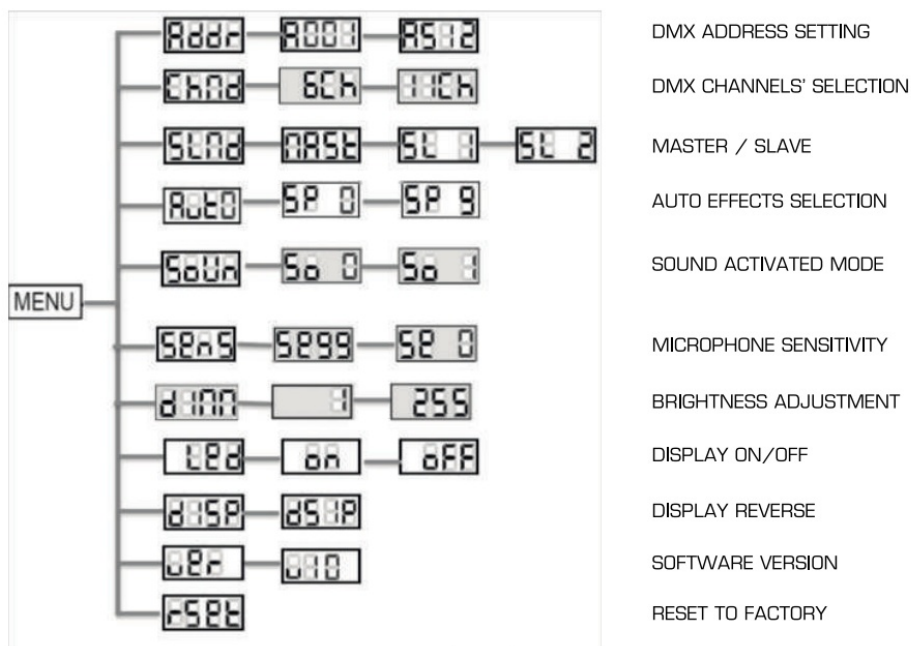
## DISPLAY CONTROLS

Under the display (3) there are 4 buttons allowing to select an option from the menu, change its value and confirm the choice.

### The 4 buttons are:

- **Menu:** It lists the menu main options.
- **UP:** To skip to the next option or value
- **DOWN:** To skip to the previous option or value
- **ENTER:** To confirm your choice

The below diagram indicates the menu options and the corresponding functions.



## INTRODUCTION TO OMX CONNECTIONS

In a OMX 512 connection there are 512 available channels. Each OMX fixture uses one or more channels to manage its functions. The user must assign a starting address to each OMX fixture connected to the system. This address will indicate the first channel used by the controller. You have to plan the starting address choice in order to avoid the channels' overlapping. Otherwise the fixture wouldn't work correctly.

**Example:** If you need to connect 3 OMX fixtures, each with 1 D channels, the first unit is to be set on address 1, the second unit on address 11 and the third one on address 21. Anyway you can set the same starting address on more devices if you wish them to operate in synchrony. OMX devices are conceived to receive data through a

serial Daisy Chain connection. With this kind of connection the data output of a fixture is connected to the data input of the following one. The connection order of the devices is not important and it doesn't affect on how the controller interacts with each of them. We suggest to put them in the easiest and most direct sequence for cable connection. The signal cable length should not be more than 1 DD m to avoid interferences with other signals or electric devices. To set the address you want to assign to the fixture [from 001 to 512 ), press the MENU key until the display shows the symbol "d". Then, by means of the UP and DOWN keys, set the address and confirm with ENTER.

To operate correctly with OMX systems it is necessary to know the number of channels available on each connected fixture and the function of these channels.

Before using the fixture it would be advisable to take a specific course on OMX systems for full understanding of its potential and functions.

This fixture operates with 6 or 11 channels.

The below charts show the functions related to each channel in OMX mode.

## **CHANNEL MODE**

### **6 CHANNEL MODE**



CHANNEL	FUNCTION	VALUE	DESCRIPTION
CH 1	Dimming	0-255	Brightness adjustment
CH 2	Strobe	0-007	Open
		8-255	Strobe speed adjustment
CH 3	Movement	0-7	No function
		8-22	Movement01
		23-37	Movement02
		38-52	Movement03
		53-67	Movement04
		68-82	Movement05
		83-97	Movement06
		98-112	Movement ?
		113-127	Movement08
		128-142	Movement09
		143-157	Movement 10
		158-172	Movement 11
		173-187	Movement 12
		188-202	Movement 13
		203-217	Movement 14
		218-232	Movement 15
		233-247	Movement 16
		248-255	Sound activated mode
CH4	Movement speed	0-255	Movement speed adjustment
CH 5	Color chase	0-15	No function
		15-255	See “color chase” chart
CH 6	Chase speed	0-255	Chase speed adjustment (slow to fast)

## 11 CHANNEL MODE

CHANNEL	FUNCTION	VALUE	DESCRIPTION
CH 1	Dimmer	0-255	Brightness adjustment
CH 2	Strobe	0- 1	Open
		2- 255	Strobe speed adjustment
CH 3	Pan	0-255	Pan adjustment 0° – 540°
CH4	Pan Speed	0-255	Pan speed adjustment
CH 5	Tilt	0-255	TILT 0° – 360° adjustment
CH 6	Tilt rotation	0-5	STOP
		6-126	Movement speed adjstment – slow to fast
		127-128	STOP
		128-248	Movement speed adjstment – slow to fast
		250-255	STOP
CH 7	Color 1	0-255	See color chart
CH 8	Color 2	0-255	
CH 8	White 1	0-255	Brightness adjustment
CH 10	White 2	0-255	Brightness adjustment
CH 11	Special	0-188	No function
		200-208	RESET
		210-238	No function
		240-255	No function

#### Color Chase Table

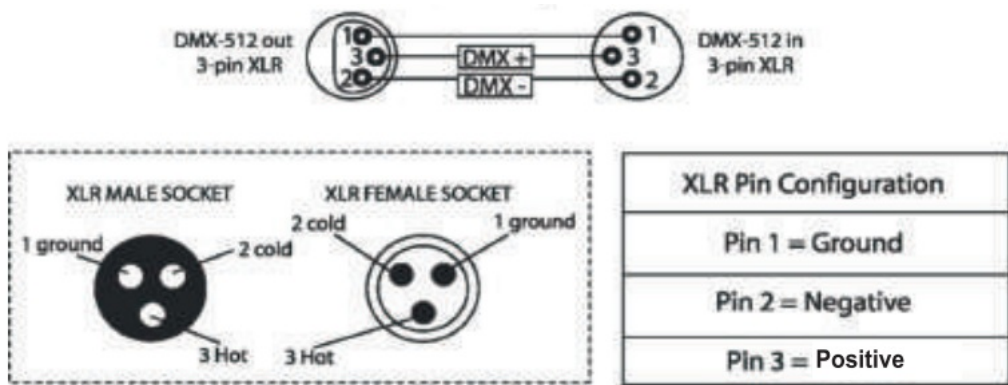
VALORE	FUNZIONE
0-15	Nessuna funzione
15-35	Chase 1
36-56	Chase 2
57- 76	Chase 3
77-97	Chase 4
98- 117	Chase 5
118- 138	Chase 6
139-159	Chase 7
160- 179	Chase 8
180-200	Chase 9
201- 220	Chase 10
221 – 241	Chase 11
242-255	Chase 12

#### Color Table

VALORE	COLORE
0-7	Blackout
8-24	Rosso
25-41	Verde
42-57	Blu
58- 74	Bianco
75-90	Rosso + Verde
91-107	Rosso+ Blu
108-123	Rosso + Bianco
124- 140	Verde+ Blu
141- 156	Verde + Bianco
157 – 173	Blue + Bianco
174-189	Rosso + Verde + Blu
190-206	Rosso + Verde + Bianco
207-222	Rosso + Blu + Bianco
223-239	Verde + Blu + Bianco
240-255	Rosso+ Verde + Blu + Bianco

OMX CONNECTORS

When buying or creating OMX cables it is necessary to know exactly how the XLR type 3 pin connectors are to be connected. Please refer to the diagrams on the side.



The manufacturer, in order to improve its products, reserves the right to modify their characteristics whether technical or aesthetic, at any time and without notice .

**Prodotto da/ produced by:**  
KARMA ITALIANA SRL  
Via Gozzano 38 bis  
21052, Busto Arsizio (VA) – Italy

[www.karmaitaliana.it](http://www.karmaitaliana.it)

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Documents / Resources

	<p><a href="#">KARMA TM BEAM180 Multi Effect Moving Head</a> [pdf] Instruction Manual 2240, 2480, TM BEAM180 Multi Effect Moving Head, TM BEAM180, Multi Effect Moving Head, Effect Moving Head, Moving Head, Head</p>
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References

- [User Manual](#)