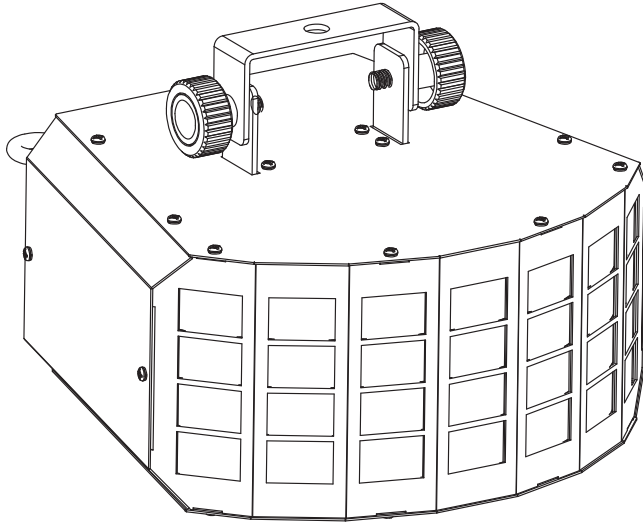


2 X 10W RGBW LEDS MULTI-BEAM ANIMATION EFFECTS



LED-BLASTER

USER GUIDE

9915 - July 2014 - Version 2.0
From serial number 78240001

1 - Safety information

Important safety information



This unit is intended for indoor use only. Do not use it in a wet, or extremely cold/hot locations. Failure to follow these safety instructions could result in fire, electric shock, injury, or damage to this product or other property.



This product contains non-isolated electrical components. Do not undertake any maintenance operation when it is switched on as it may result in electric shock.



Any maintenance procedure must be performed by a CONTEST authorised technical service. Basic cleaning operations must thoroughly follow our safety instructions.



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



WARNING : This unit contains no user-serviceable parts. Do not open the housing or attempt any maintenance by yourself. In the unlikely even your unit may require service, please contact your nearest dealer.



Warning

This product is equipped with Class 2 LEDs. Please avoid looking directly at the beam as it may cause severe eye injuries.



Risk of electric shock

In order to avoid any electrical malfunction, please do not use any multi-socket, power cord extension or connecting system without making sure they are perfectly isolated and present no defect.e.



Recycling your device

- As HITMUSIC is really involved in the environmental cause, we only commercialise clean, ROHS compliant products.
- When this product reaches its end of life, take it to a collection point designated by local authorities. The separate collection and recycling of your product at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

Symbols used



This symbol signals an important safety precaution.



The CAUTION symbol signals a risk of product deterioration.



The WARNING symbol signals a risk to the user's physical integrity. The product may also be damaged.



Note : The legislation requires that every device set up in a public space features a double fixation bracket. This security system must hold 10 times the weight of the device.

Instructions and recommendations

1 - Please read carefully :

We strongly recommend to read carefully and understand the safety instructions before attempting to operate this unit.

2 - Please keep this manual :

We strongly recommend to keep this manual with the unit for future reference.

3 - Operate carefully this product :

We strongly recommend to take into consideration every safety instruction.

4 - Follow the instructions:

Please carefully follow each safety instruction to avoid any physical harm or property damage.

5 - Avoid water and wet locations :

Do not use this product in rain, or near washbasins or other wet locations.

6 - Installation :



We strongly encourage you to only use a fixation system or support recommended by the manufacturer or supplied with this product. Carefully follow the installation instructions and use the adequate tools.

Always ensure this unit is firmly fixed to avoid vibration and slipping while operating as it may result in physical injury.

7 - Ceiling or wall installation :

Please contact your local dealer before attempting any ceiling or wall installation.

8 - Ventilation :

The cooling vents ensure a safe use of this product, and avoid any overheating risk.

Do not obstruct or cover these vents as it may result in overheating and potential physical injury or product damage. This product should never be operated in a closed non-ventilated area such as a flight case or a rack, unless cooling vents are provided for the purpose .

9 - Heat exposure :

Sustained contact or proximity with warm surfaces may cause overheating and product damages. Please keep this product away from any heat source such as a heaters, amplifiers, hot plates, etc...

10 - Electric power supply :



This product can only be operated according to a very specific voltage. These information are specified on the label located at the rear of the product.

11 - Power cords protection:



Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at lugs, convenience receptacles and the point where they exit from the fixture.

12 - Cleaning precautions :



Unplug the product before attempting any cleaning operation. This product should be cleaned only with accessories recommended by the manufacturer. Use a damp cloth to clean the surface. Do not wash this product.

13 - Long periods of non use :



Disconnect the unit's main power during long periods of non use.

14 - Liquids or objects penetration :



Do not let any object penetrate this product as it may result in electric shock or fire.

Never spill any liquid on this product as it may infiltrate the electronic components and result in electric shock or fire.

15 - This product should be serviced when :



Please contact the qualified service personnel if :

- The power cord or the plug has been damaged.
- Objects have fallen or liquid has been spilled into the appliance.
- The appliance has been exposed to rain or water.
- The product does not appear to operate normally.
- The product has been damaged.

16 - Inspection/maintenance :

Please do not attempt any inspection or maintenance by yourself. Refer all servicing to qualified personnel.

17 - Operating environment :



Ambient temperature and humidity: +5 - +35°C, relative humidity must be less than 85% (when cooling vents are not obstructed).

Do not operate this product in a non-ventilated, very humid or warm place..

2 - Introduction

Thank you for purchasing the LED-BLASTER.

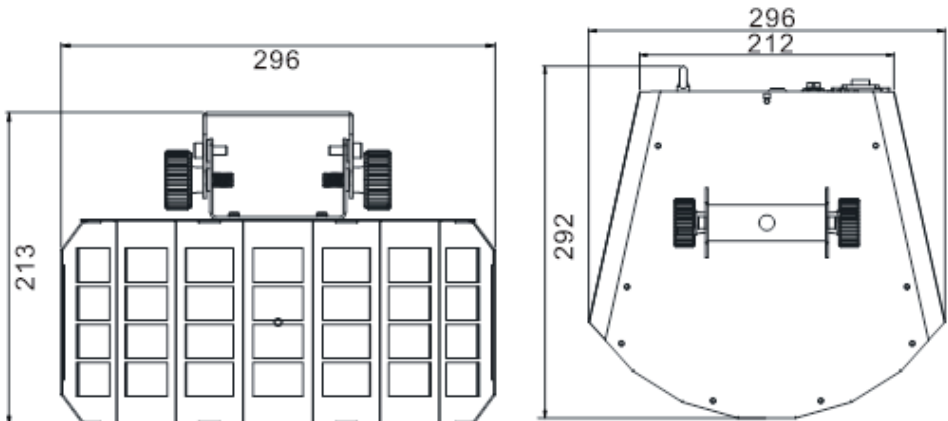
Its incredible brightness and very wide projection angle allows you to flood the room with colourful multibeam effects.

Automatic or music-sensitive, it also allows you to control in DMX or with the optional EASY-2 remote control.

It features 2 x 10W RGBW producing an incredible rendering, without lamp changes nor heat emission, all this while preserving a 40 W only power consumption.

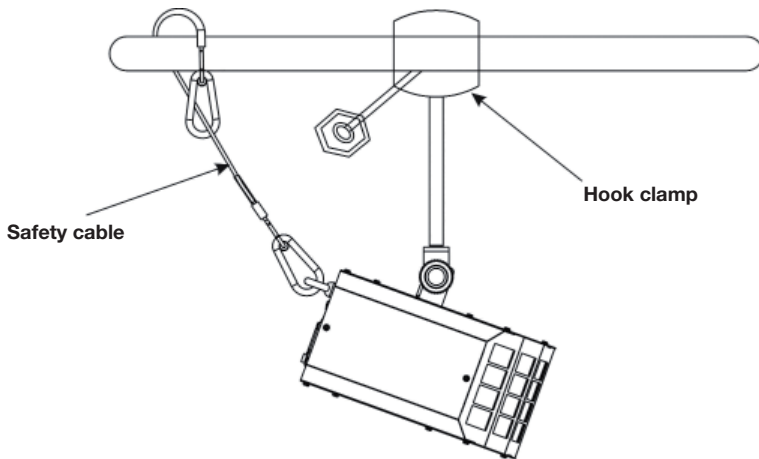
3 - Specifications

- 2 x 10W LEDs RGBW
- 6 modes:
 - 1 DMX channel: Macro programs
 - 3 DMX channels: Dimmer/Strobe, Colour, Rotation
 - Music-sensitive (master) via built-in microphone
 - Automatic (master)
 - Slave
 - Controlled via the EASY-2 remote control
- 11 built-in programs accessible via the DMX
- 8 built-in programs accessible via the menu
- Power consumption: 34W
- Power supply: 100/240V - 50/60Hz, AC
- DMX input/output
- Power input/output socket
- Black aluminium housing
- Suspension bracket
- Dimensions: 296 x 271 x 140 mm
- Net weight: 3.8 kg



4 - Installation

The LED-BLASTER was designed to be attached to structures or on the ground, via an adapted support. We strongly recommend to use a double hanging system with safety cable in case of failure of the main suspension bracket. The safety cable must be able to bear 10 times the weight of the LED-BLASTER. The installation must be performed by a qualified technician. Please make sure that no one can reach the projector once it is set up.



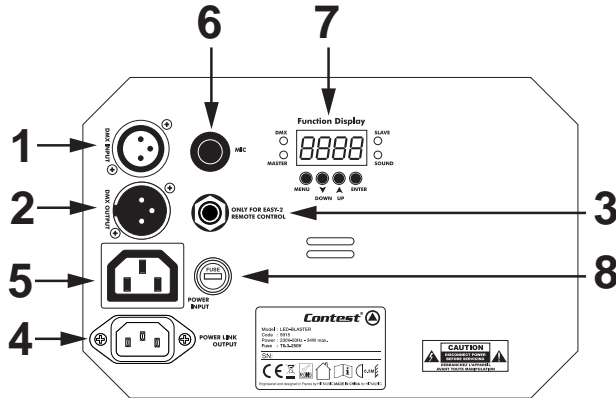
5 - Getting started

Your LED-BLASTER is not equipped with any power switch. As a result, your device is ready to go as soon as it is connected to an electrical outlet.

Once powered up, your LED-BLASTER will perform an initialisation before being fully operational. If dipswitches are in automatic mode, it will launch its internal programming by itself, however if a DMX signal is detected via the DMX input it will await DMX information.

6 - Description

6.1 - Rear panel



1 DMX Input

3-pin female XLR socket hardwired as follows:

- Ground: 1
- Negative signal: 2
- Positive signal: 3

Use this socket to transmit the incoming DMX signal from a DMX controller or another unit to your projector.

2 DMX Output

3-pin female XLR socket hardwired identically to the output described above.

This socket can be used to daisy-chain more units into your DMX circuit.

3 EASY-2 Input

Connect here the EASY-2 remote control (optional). Please refer to paragraph 6.3 for more details.

4 Power input

Allows you to power up your projector.

Please make sure the voltage delivered by the electrical outlet is compatible with your LED-BLASTER.

5 Power output

Allows you to daisy-chain more units in order to optimise wiring of complex installations.

6 Microphone

Allows music-sensitive programs.

7 Menu

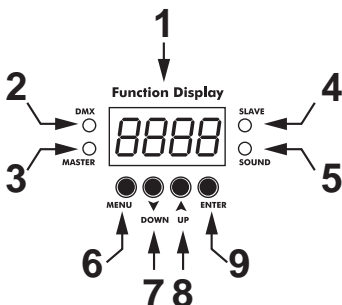
Allows you to adjust the behaviour of your device or set its DMX address.

Please refer to next paragraph for more details about this.

8 Fuse

If need to replace the fuse, please make sure the new one has the exact same characteristics.

6.2 - Control panel



1 - Display	Indicates the status of your device
2 - DMX LED	Lights up upon detection of a DMX signal
3 - Master LED	Lights up upon activation of Master mode
4 - Slave LED	Lights up upon activation of Slave mode
5 - Sound LED	Flashes when your device is in music-sensitive mode
6 - Menu Button	Allows you to access the menu
7 - Down Button	Allows you to select functions and modify their values
8 - Up Button	Allows you to select functions and modify their values
9 - Enter Button	Allows you to save changes

6.3 - Menu description

Use the MENU button to access the menu.

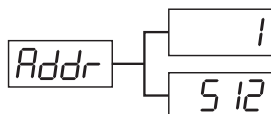
Use the UP and DOWN buttons or press MENU several times to browse through the various options.

Press ENTER to access an option.

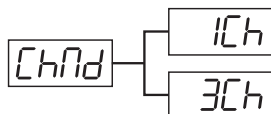
Use the UP and DOWN buttons to modify values.

Press ENTER again to save changes.

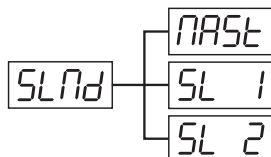
Press MENU to leave without saving changes.



Addr (Address): Allows you to set the DMX address of your device, from 1 to 512.

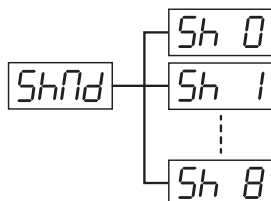


ChMd (Channel mode): Allows you to determine the number of DMX channels used by your LED-BLASTER: 1 or 3 channels. Please refer to paragraph 7.5 for more details about DMX values of these modes.



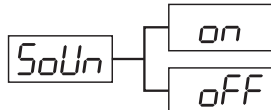
SLMd (Slave mode): Allows you to select the mode used by your device:

- **MASt**: Master mode, allowing you to control other daisy-chained units.
- **SL 1**: Slave mode, your device will mimic the Master unit.
- **SL 2**: Asynchronous slave mode, your device will mimic the Master unit but reverse its animations. Allows you to create more dynamic lighting effects.



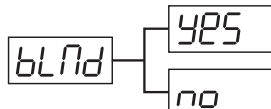
ShMd (Show mode): Allows you to select an internal program when using Master/Slave or music-sensitive modes:

- **Sh 0**: Sequences including all programs.
- **Sh 1 to Sh 8**: Allows you to select one of the 8 programs available.



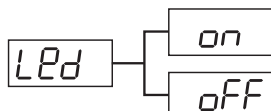
SoUn (Sound): Allows you to activate or deactivate the music-sensitive mode:

- **on**: Music-sensitive mode activated.
- **oFF**: Music-sensitive mode deactivated.



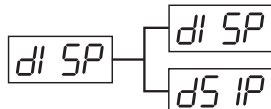
bLMd (Black out mode): Allows you to activate or deactivate the black-out mode:

- **on**: Black-out mode activate, all LEDs lights off.
- **oFF**: Black-out mode deactivated, LEDs lights up.



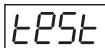
LED: The display automatically lights off after a 10-second period of inactivity:

- **on**: The display remains lit.
- **oFF**: The display automatically lights off.

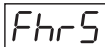


dISP (Display): Reverses the display.

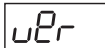
6.3 - Menu description (continuation)



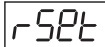
tEST: Allows to perform a test procedure to verify each function.



FhrS (Fixture hours): Displays the total operating hours of your device since its first initialisation.



vEr (Version): Displays the current version of the internal software.



rSEt (Reset): Resets the unit.

6.4 - Configuring the initial motors position



Enter the menu by pressing the MENU button.

Press the ENTER button for 5 seconds until the display indicates **oPAn**, then press ENTER.

Settings from -127 to 127.

7 - Various modes

7.1 - Automatic or music-sensitive mode

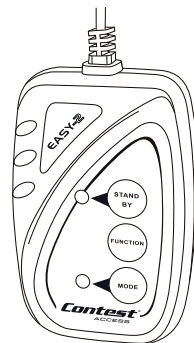
- 1 - Select **MASt** in the **SLMd** menu, the MASTER LED will light up.
- 2 - Use the **ShMd** menu to select a program or the sequence including all programs.
- 3 - Use the **SoUn** menu to activate the music-sensitive mode, the SOUND LED will flash with each pulse.
- 4 - Your device will use the internal programming if the music-sensitive mode is deactivated.

7.2 - Master / Slave mode

- 1 - Use the DMX connectors (via XLR) to connect the units together.
 - 2 - Configure the first unit (Master) as described above.
 - 3 - Choose **SL 1** or **SL 2** via the **MASt** menu for slave units. Units set on **SL 1** will mimic exactly the Master device while **SL 2** units will be synchronised in reverse mode.
- The SLAVE LED of slave units will be lit as long as a DMX cable is connected to their DMX input.

7.3 - Optional EASY-2 remote control

The EASY-2 remote control is straightforward and easy to install. It is able to control several synchronised units with the Master/Slave mode. Plug your remote control into the Master projector Jack 6.35 chassis called «Only for EASY-2», and daisy-chain the additional units via the XLR plugs, as you would for a regular DMX cabling. This remote control gives you access to the following functions: black-out, strobe, and show selection.



Buttons	Effects		
STAND - BY	Activates or deactivates the Black-out mode		
FUNCTION	For each pressure and when holding down the button: 1: Synchronous strobe 2: Asynchronous strobe 3: Music-sensitive strobe	Programs 1 to 8 selection	Motors speed: 1: Slow 2: Average 3: Fast
MODE	Strobe / Music-sensitive (LED OFF)	Program (LED ON)	Flashing LED

Note: the display will indicate:  when the motors rotation has been activated.

7.4 - DMX modes and addressing

Regardless of its current mode (Master or Slave), your LED-BLASTER will react to any incoming signal detected via its DMX input.

To configure its DMX address, please go to the **Addr** menu, press ENTER and use the UP and DOWN buttons to set a DMX address.

Validate your choice by pressing the MENU button.

7.5 - DMX values and functions

Your LED-BLASTER features two different DMX modes.

The mode selection can be made via the **ChMd** menu:

- **1CH**: Your LED-BLASTER is in 1-channel mode.

- **3CH**: Your LED-BLASTER is in 6-channel mode.

1-CHANNEL MODE	
CHANNEL 1	
Sequences	
250 - 255	Random sequence
230 - 249	Sequence 11
210 - 229	Sequence 10
190 - 209	Sequence 9
170 - 189	Sequence 8
150 - 169	Sequence 7
130 - 149	Sequence 6
110 - 129	Sequence 5
090 - 109	Sequence 4
070 - 089	Sequence 3
050 - 069	Sequence 2
030 - 049	Sequence 1
000 - 029	Black-out

3-CHANNEL MODE			
CHANNEL 1		CHANNEL 2	CHANNEL 3
Dimmer/Strobe		Colours	Rotation
248 - 255	Full power	248 - 255 : Colour 32	000 - 255 Light source position settings
200 - 247	Strobe at increasing speed	240 - 247 : Colour 31	
		232 - 239 : Colour 30	
		224 - 231 : Colour 29	
		216 - 223 : Colour 28	
		208 - 215 : Colour 27	
		200 - 207 : Colour 26	
		192 - 199 : Colour 25	
000 - 199	Dimmer from 0 to 100%	184 - 191 : Colour 24	
		176 - 183 : Colour 23	
		168 - 175 : Colour 22	
		160 - 167 : Colour 21	
		152 - 159 : Colour 20	
		144 - 151 : Colour 19	
		136 - 143 : Colour 18	
		128 - 135 : Colour 17	
		120 - 127 : Colour 16	
		112 - 119 : Colour 15	
		104 - 111 : Colour 14	
		096 - 103 : Colour 13	
		088 - 095 : Colour 12	
		080 - 087 : Colour 11	
		072 - 079 : Colour 10	
064 - 071 : Colour 9			
056 - 063 : Colour 8			
048 - 055 : Colour 7			
040 - 047 : Colour 6			
032 - 039 : Colour 5			
024 - 031 : Colour 4			
016 - 023 : Colour 3			
008 - 015 : Colour 2			
000 - 007 : Colour 1			

8 - Notes

Because CONTEST® takes the utmost care in its products to make sure you only get the best possible quality, our products are subjects to modifications without prior notice. That is why technical specifications and the products physical configuration might differ from the illustrations.

Make sure you get the latest news and updates about the CONTEST® products on www.contest-lighting.com
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