

GOBOBEAM

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.



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



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.

Symbols used



This symbol signals an important safety precaution.



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



The CAUTION symbol signals a risk of product deterioration.

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...

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.



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



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.



Warning

This product is equipped with Class 2 LEDs.

Please avoid looking directly at the beam as it may cause severe eye injuries.

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.

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 - Caractéristiques

Light sources

- › 8 x 3W RGBA LED - 30 000 hours (approximately)
- › Low temperature, low power consumption, can be operated non-stop for many hours

Control

- › Standard DMX-512
- › 1 / 8 / 12 DMX channels
- › Simplified control (EASY-2 Compatible)
- › Music-sensitive shows (via internal mic)
- › Simplified control of several unit in Master/Slave mode
- › Drop-down display for assignation and mode selection

Additional characteristics

- › DMX input and output via 3-pin XLR
- › Power input/output via IEC socket
- › Power consumption: 40 W maximum
- › Power supply: AC 100/230V - 50/60Hz
- › Dimensions: 290 x 160 x 220 mm
- › Net weight: 3 Kg

Package contents:

The package must contain the following articles:

- › The projector
- › The user guide
- › An IEC / 2 poles + earth power cord

3 - Overview

- 1 Tightening wheel for suspension bracket**
Allows to adjust the position of the projector and lock it in this position.

- 2 Suspension bracket**
Allows you to suspend and adjust the projector.

- 3 EASY-2 input**
Connect your EASY-2 remote control(optional) here. Please refer to chapter 6 for more details about the remote control.

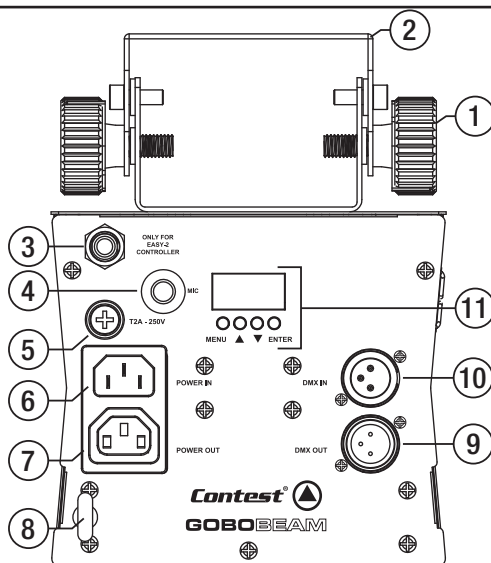
- 4 Microphone**
Allows music-sensitive functions.

- 5 Fuse**
If need to change the fuse, please make sure the new fuse has the exact same characteristics as the old one.

- 6 Power input socket**
Allows you to power up your projector.
Please make sure the voltage of your workplace matches this projector.

- 7 Power output**
Allows you to directly connect this projector to other projectors in order to optimise complex installations.

- 8 Safety ring**
Allows to use a second safety cable. Double safety systems are mandatory for usage in public places.



CAUTION!

Please make sure the tightening wheel is securely fastened.

Using a safety cable is mandatory.

When using this device in public places, current legislation requires that each device features a double fixation system to ensure its stability. This system must hold up to 10 times times the weight of the device, meaning you will be required to use a cable able to hold 30 kilos to support your GOBOBEAM.

9 DMX output

3-pin female XLR plug hardwired as follows:

- Pin 1: Mass
- Pin 2: Negative signal
- Pin 3: Positive signal

10 DMX input

3-pin male XLR socket hardwired as mentioned above.

Allows to transmit the signal from another projector or DMX console.

11 Display and menu buttons**Display**

Allows you to intuitively configure your device. Please refer to next paragraph for more details about the menu functions. The backlight can be turned off via the Backlight function from the menu.

MODE Button

Allows you to access the menu and select a function.

ENTER Button

Allows you to enter sub-menus and apply changes.

UP and DOWN buttons

Allows you to increase or decrease parameter values.

4 - Internal menu

4.1 - Menu tree and description

Upon initialisation, the projector will calibrate the position of each motor.

Once completed, you can access the menu by pressing MENU or ENTER.

MENU	UP and DOWN	Action	ENTER
<div>Addr</div>	DMX address		Saves changes
	<div>1</div> <div>5 12</div>	DMX address selection. Press Enter and use UP and DOWN to select values.	
<div>ChNd</div>	DMX modes		Press Enter and select a mode with UP and DOWN Saves changes
	<div>1Ch</div>	1 channel: Show selection	
	<div>8Ch</div>	8 channels: Tilt1 / Dimmer / Strobe / Red / Green / Blue / Amber / Show selection	
	<div>12Ch</div>	12 canaux : Tilt1 / Tilt 16 bits / Dimmer / Strobe / Rouge / Vert / Bleu / Ambre / Vitesse du Tilt / Modes de Dimmer / Sélection des shows / Vitesse des shows	
<div>SLNd</div>	Slave modes		Saves changes
	<div>MASTER</div>	Allows you to determine the behaviour of your projector in slave mode:	
	<div>SL 1</div> <div>SL 2</div>	<ul style="list-style-type: none">- Master: Commands the Slave units- Slave 1: The device is in slave mode and mimics the Master unit.- Slave 2: The device is in slave mode and mimics the Master unit in reverse order.	
<div>Shnd</div>	Shows selection		Saves changes
	<div>Sh 0</div> <div>Sh 4</div>	- Select shows from 0 to 4	
<div>d INS</div>	Dimmer control		Saves changes
	<div>FAST</div> <div>SMOO</div>	Allows you to adjust the dimmer behaviour. <ul style="list-style-type: none">- Fast: LEDs instantly power on/off.- Smoo: LEDs take a few second to power on/off in order to mimic halogen projectors.	
<div>SoUn</div>	Music-sensitive mode		Saves changes
	<div>on</div> <div>off</div>	Activates or deactivates the music-sensitive mode. Press Enter and select On or Off with the UP and DOWN buttons.	

Sens	Sound sensitivity	
	<div>0</div> <div>100</div>	<p>Allows you to adjust the microphone sensitivity. The microphone is deactivated when values indicate 000.</p> <p>Saves changes</p>
DMSt	DMX signal failure behavior	
	<div>MASt</div> <div>BLnd</div> <div>LAST</div>	<p>MASt : Active blackout mode BLnd : Active blackout mode LAST : Keep the last DMX information</p> <p>Saves changes</p>
LED	Display timer	
	<div>on</div> <div>off</div>	<p>Activates or deactivates the automatic shutdown of display after a 10-second period of inactivity:</p> <ul style="list-style-type: none"> • on : The display remains lit. • off : The display automatically turns off. <p>Saves changes</p>
di SP	Display rotation	
	<div>di SP</div> <div>dS IP</div>	<p>Allows you to rotate the display for better clarity, depending on the position of your projector.</p> <p>Saves changes</p>
tEst	Automatically tests each function.	
Fhrs	Displays the total operating time of the projector since it was first initialised.	
ver	Displays the current software version.	
rSet	Re-initialise your device.	

5 - DMX modes

The projector enters DMX mode as soon as an incoming DMX signal has been detected.

5.1 - 1-channel mode

Channel	Values	Action
1	000 - 009	Black-out
	010 - 048	Show 1 from slow to fast
	049 - 087	Show 2 from slow to fast
	088 - 126	Show 3 from slow to fast
	127 - 165	Show 4 from slow to fast
	166 - 204	Show 0 from slow to fast
	205 - 214	Music-sensitive Show 1
	215 - 224	Music-sensitive Show 2
	225 - 234	Music-sensitive Show 3
	235 - 244	Music-sensitive Show 4
	245 - 255	Music-sensitive Show 0

Note: Show 0 is a sequence including shows 1 to 4

5.2 - 8-channel mode

Channels	Values	Action
1	Tilt	
	000 - 255	Tilt from 0 - 100%
2	Dimmer	
	000 - 255	Dimmer from 0 - 100%
3	Strobe	
	000 - 007	Close
	008 - 015	Open
	016 - 131	Slow to fast strobe
	132 - 139	Open
	140 - 181	Slow to fast pulse effect
	182 - 189	Open
	190 - 231	Fast to slow pulse effect
	232 - 239	Open
	240 - 247	Random strobe
	248 - 255	Open
4	Red	
	000 - 255	Red from 0 - 100%
5	Green	
	000 - 255	Green from 0 - 100%
6	Blue	
	000 - 255	Blue from 0 - 100%
7	Amber	
	000 - 255	Amber from 0 - 100%
8	Shows	
	000 - 009	Black-out
	010 - 048	Show 1 from slow to fast
	049 - 087	Show 2 from slow to fast
	088 - 126	Show 3 from slow to fast
	127 - 165	Show 4 from slow to fast
	166 - 204	Show 0 from slow to fast
	205 - 214	Music-sensitive Show 1
	215 - 224	Music-sensitive Show 2
	225 - 234	Music-sensitive Show 3
	235 - 244	Music-sensitive Show 4
	245 - 255	Music-sensitive Show 0

5.3 - 12-channel mode

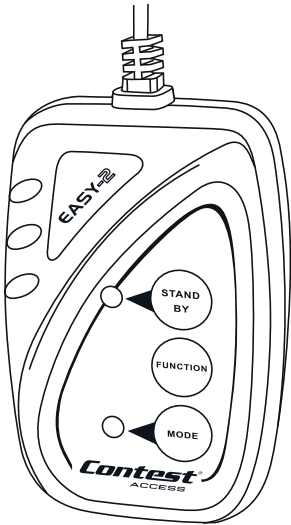
Channels	Values	Action
1	Tilt	
	000 - 255	Tilt from 0 - 100%
2	16-bit Tilt	
	000 - 255	Fine adjustment of the Tilt
3	Dimmer	
	000 - 255	Dimmer from 0 - 100%
4	Strobe	
	000 - 007	Close
	008 - 015	Open
	016 - 131	Slow to fast strobe
	132 - 139	Open
	140 - 181	Slow to fast pulse effect
	182 - 189	Open
	190 - 231	Fast to slow pulse effect
	232 - 239	Open
	240 - 247	Random strobe
	248 - 255	Open

5.3 - 12-channel mode (second and last part)

Channels	Values	Action
5	Red	
	000 - 255	Red from 0 - 100%
6	Green	
	000 - 255	Green from 0 - 100%
7	Blue	
	000 - 255	Blue from 0 - 100%
8	Amber	
	000 - 255	Amber from 0 - 100 %
9	Tilt speed	
	000 - 255	Tilt speed from fast to slow
10	Dimmer modes	
	000 - 050	Instant dimmer
	051 - 100	Slow dimmer
	101 - 255	Default behaviour
11	Shows	
	000 - 009	No function
	010 - 048	Show 1
	049 - 087	Show 2
	088 - 126	Show 3
	127 - 165	Show 4
12	166 - 204	Show 0
	Show speed and music-sensitive mode	
	000 - 247	Increasing speed
	248 - 255	Music-sensitive mode

6 - Using the Easy-2 remote control (optional)

The EASY-2 remote control is easy to use, easy to set up and can control several units synchronized in Master/Slave mode.
Connect your remote control to the jack 6.35 chassis of the master unit, look for the «ONLY FOR EASY-2 CONTROLLER » socket and connect the other devices using their XLR sockets for a regular DMX connection. This remote grants you access to the following functions: black-out, strobe and show selection.



Button	Action	
STAND - BY	Black-out	
FUNCTION	For each pressure, and when long pressing: 1 : Synchronised strobe 2 : Asynchronous strobe 3 : Music-sensitive mode	For each pressure: Next show
MODE	LED Off	LED On

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.

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