



beamZ JB90R Mini Star Ball DMX LED 9 Colours User Manual

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BEAMZ MADE EAZY
153.222 V1.0
JB90R MINI STAR BALL
USER MANUAL

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SAFETY INSTRUCTIONS

 **WARNING!** Before carrying out any operations with the unit, carefully read this instruction manual and keep it with care for future reference. It contains important information about the installation, usage and maintenance of the unit

- Unpack and check carefully that there is no transportation damage before using the unit
- Please read these instructions carefully and follow the
- Observe all safety warnings. Never remove safety warnings or other information from the equipment
- Be sure that no ventilation slots are blocked: otherwise, the unit will overheat.

 **WARNING!** Before connecting the equipment to the power outlet first verify that the mains voltage and frequency match the values specified on the equipment. If the equipment has a voltage selection switch, connect the equipment to the power outlet only if the equipment values and the mains power values match. If the included power cord or the power adapter does not fit in your wall outlet, contact your electrician.

- After connecting the unit check all cables in order to prevent damage or e.g. due to tripping hazards.
- Make sure that the power cord is never crimped or Check the unit and the power cord from time to time.
- Always disconnect power from when the unit is not used or before cleaning! Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.
- Unplug the power cord and power adapter from the power outlet if there is a risk of a lightning strike or before extended periods of disuse.
- Do not switch the unit on and off in short intervals.
- Do not connect the unit to a dimmer pack.
- Install the unit in a well-ventilated place.
- Never place any material over the
- Never let the sunlight lights directly to the front even when the unit is not working.

- Always allow free air space of at least 50 cm around the unit for
- Make sure that the area below the installation place is blocked when rigging, digging or servicing the unit.
- For mounting height >100 always fix the unit with an appropriate safety rope. Fix the safety-rope at the correct fixation points only. The safety-rope must never be fixed at the transport handles!
- Never look directly at the light Please note that fast changes in lighting, e. g. flashing light, may trigger epileptic seizures in photosensitive persons or persons with epilepsy.
- This unit is not designed for permanent operation. Consistent operation breaks will ensure that the unit will serve you for a long time without



WARNING! If the power cord of the unit is equipped with earthing contact, then it must be connected to an outlet with a protective ground. Never deactivate the protective ground of a power cord.

- Make sure that the unit is not exposed to extreme heat, moisture or
- Clean the unit using a dry
- Do not touch the unit bare-handed during its operation (housing becomes very hot). Allow the unit to cool for at least 5 minutes before
- This unit is designed exclusively for indoor use, do not use this equipment in the immediate vicinity of fluid (does not apply to special outdoor equipment – in this case, observe the special instructions noted below). Do not expose this unit to flammable materials, fluids or gases.
- If the unit has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on. The arising condensation water might damage your unit. Leave the unit switched off until it has reached room temperature.
- Never attempt to bypass the thermostatic switch or fuses.
- Do not dismantle or modify the unit.
- For replacement use fuses/bulbs of the same type and rating only.
- servicing and electric connection must be carried out by a qualified technician,
- The ambient temperature must always be between -5° C and 45° C.
- If this unit is operated in any other way, then the one described in this manual, the product may suffer damages and the warranty becomes
- Plastic bags must be kept out of reach of
- Unit must be installed out of the reach of Never leave the unit running unattended.



This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead, it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about the recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

UNPACKING INSTRUCTION



CAUTION? Immediately upon receiving the product, carefully unpack the carton, check the contents to ensure that all parts are present and have been received in good condition. Notify the shipper immediately and retain packing material. For inspection if any parts appear damaged from shipping or the package itself shows signs of mishandling. Save the package and all packing materials. In the event that the product must be returned to the factory, it is important that the product be returned in the original factory box and packing.

If the unit has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your unit. Leave the unit switched off until it has reached room temperature.

POWERSUPPLY

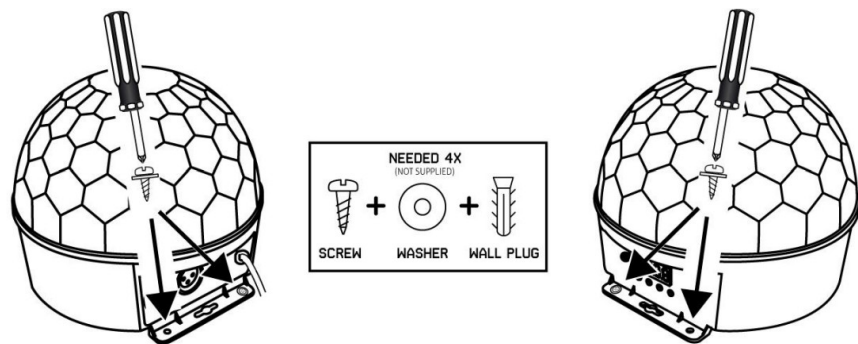
On the label on the backside of the unit is indicated on this type of power supply must be connected. Check that the mains voltage corresponds to this, all other voltages than specified, the light effect can be irreparably damaged. The product must also be directly connected to the mains and may be used No dimmer or adjustable power supply.



WARNING? Always connect the unit to a protected circuit (circuit breaker or fuse). Make sure the unit has an appropriate electrical ground to avoid the risk of electrocution or fire.

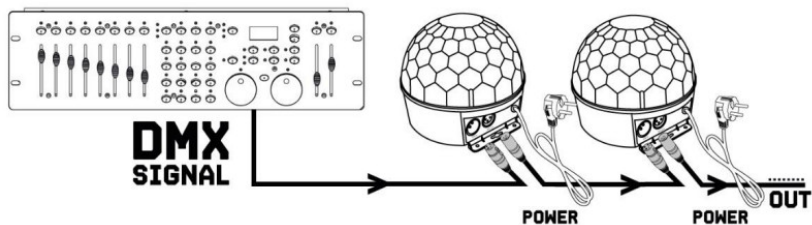
MOUNTING

The mounting place must be of sufficient stability and be able to support a weight of 10 times the unit's weight. Secure the unit with a safety cable so that it cannot fall down.

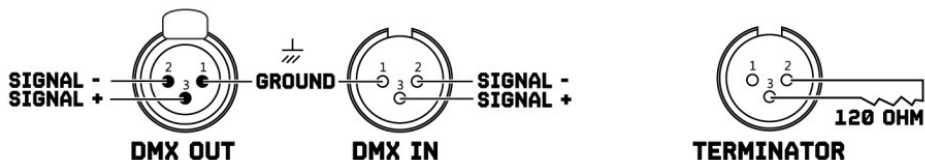


DMX512 CONTROL

If you are using a standard DMX controller, you can connect the DMX output of the controller directly to the DMX input of the first unit in a DMX chain. Always connect the output of one unit with the input of the next unit until all units are connected.

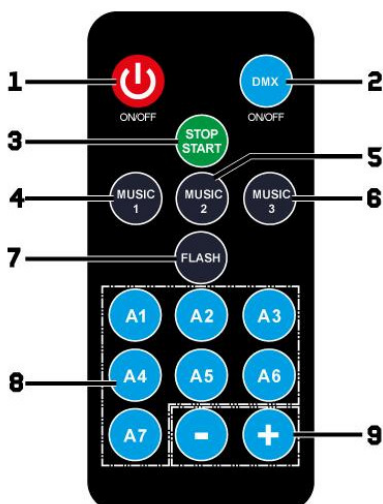


CAUTION! At the last unit, you must close the DMX line with a terminating resistor. Take an XLR connector and solder a 120 Ohm resistor between signal (-) and signal (+) and connect it to the DMX output of the last unit in the line.



REMOTE CONTROLLER

1. ON / OFF
2. DMX mode ON / OFF
3. Pause/Start auto program or sound program
4. Sound program S1
5. Sound program S2
6. Sound program S3
7. Strobe ON/ OFF
8. Auto program chose A1, A2, A3, A4, A5, A6, A7
9. Increase or decrease speed



CAUTION!

The remote control is supplied with a battery inserted. An insulating foil between the battery and the battery contacts prevents the battery from being discharged during storage. Prior to the first operation remove the foil from the battery support on the rear side of the remote control. Otherwise, the operation of the remote control is not possible. For operation, one 3 V button cell type CR 2025 is required. When inserting, pay attention that the positive pole of the button cell shows upwards in the support.

CLEANING

The buildup of dust, dirt, and other airborne particles will reduce the unit's light output. It will also prevent the unit from cooling correctly, and this will reduce the unit's lifetime. The rate of dirt buildup will vary depending on environmental factors such as airborne dust, use of smoke machines, airflow from ventilation systems, etc. The unit's cooling fans will accelerate buildup, and any smoke particles that are present in the atmosphere will increase the tendency for dirt to clog.

To get the best performance and lifetime from the unit, inspect it regularly and clean it as soon as you see signs of dirt buildup.

Assess the operating environment each time you begin to use the unit. In dusty or smoky conditions, inspect the unit after a few hours and check it frequently the unit may attract dirt faster than you expect. Draw up a cleaning schedule that will make sure that dirt is removed before it can build up.

Use the following guidelines:

- Disconnect the unit from power and allow it to cool completely before cleaning.
- Do not use solvents, abrasives, or any other aggressive product to clean the unit.
- Vacuum or use low-pressure compressed air to remove dust and loose particles from surfaces and air vents. Prevent the blades of cooling fans from turning before you aim a vacuum or air jet at the fan, or you may spin the fan too fast and damage it.
- Clean glass components by wiping gently with a soft, clean, lint-free cloth moistened with a weak detergent solution. Put the solution on the cloth and not on the surface to be cleaned. Avoid rubbing glass surfaces.
- Dry the unit with a soft, clean, lint-free cloth or low-pressure compressed air before reapplying power.

TROUBLESHOOTING

The checklist below may help you troubleshoot in the unlikely event that a problem occurs while using the product:

SYMPTOM	POSSIBLE CAUSE	SUGGESTED ACTION
No response from the unit.	No power to unit Fuse blown or internal fault	Check that power is turned on. Check cables and connections. Replace main fuse or contact Beamz support or Beamz authorized service partner. Do not remove base or yoke covers. Do not attempt to replace a fuse or carry out any repairs or services that are not described in this User Manual unless you have both authorizations from Beamz support or Beamz authorized service partner.
Unit resets correctly but does not respond (or does not respond correctly) to the controller	The controller is not connected. Bad DMX-line DMX-line has no end resistance. Insert DMX terminator plugin DMX output socket of the last unit on DMX-line. Pin 2 and 3 are reversed in XLR connection.	Connect controller. Bad DMX-line. Inspect connections and cables. Correct poor connections. Repair or replace damaged cables. Incorrect unit addressing. Check the unit address and DMX mode settings. A unit is defective and is disturbing data transmission on the DMX line. Unplug DMX IN and OUT connectors and connect them directly together to bypass one unit at a time until normal operation is regained. Have defective units been serviced by an authorized technician? Pin 2 and 3 are reversed in the XLR connection. Inspect connections and cables. Install a phase reversing cable between the units or swap pin 2 and 3 in the unit, that behaves erratically.
Error after unit reset.	Effect requires mechanical adjustment.	Check the unit's software version and error messages for more information. Contact Beamz support or Beamz authorized service partner
Light output cuts out intermittently.	Unit too hot. LEDs damaged. The power supply settings do not match local AC voltage and frequency.	Allow unit to cool. Reduce ambient temperature. Ensure free airflow around the unit. Clean unit if necessary. Disconnect unit and contact Beamz support or Beamz authorized service partner. Disconnect unit. Check settings and correct if necessary.

CONTROL MENU

MENU	DESCRIPTION
A001	DMX address setting
A1 X	Red + Purple+ Warm White mode
A2 X	Green. Blue + Pink mode
AS X	Yellow. White. Orange mode
A4 X	All colors, speed slow to fast
AS X	3 Colours jumping effect speed slow to fast
A6 X	9 Colours jumping effect speed slow to fast
A7 X	9 Colours gradually effect, speed slow to fast
A8 X	Strobe
S1 X	Sound control mode 1. sensitivity 0-9
S2 X	Sound control mode 2. sensitivity 0-9
S3 X	Sound control mode a sensitivity 0-9

DMX CHANNELS

CHANNEL	FUNCTION	VALUE	DESCRIPTION
1	Master dimmer	000-255	Total brightness gradually from darkness to brightness
2		000-255	Red + Purple + Warm White led dimming from 0 1013%
3	Colour	000-255	Green + Blue + Magenta led dimming. from 0-100 %
4		000-255	White + Yellow + Orange led dimming from 0-100 %
5	Strobe	000-009	No function
		010-255	Strobe flash. from slow to fast
		000-005	Stop
6	Motor	006-127	Random speed
		128-255	Speed. from slow to fast
		000-009	Auto color program
		010-072	Auto color gradually change
		073-134	Auto color jump changes
7	Program	135-197	ROB jump changes
		198-220	Sound control mode I
		221-250	Sound control mode 2
		251-255	Sound control mode 3

TECHNICAL

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

The products referred to in this manual conform to the European Community Directives to which they are subject:

- Low Voltage (LVD) 2014/35/EU
- Electromagnetic Compatibility (EMC) 2014/30/EU
- Restriction of Hazardous Substances (RoHS) 2011/65/EU

Rated voltage	: 100-240VAC, 50-60Hz, 0.2-0.1A
LED	: 6 x 1 Watt Red, Green, Blue, Amber, White, Warm White, Purple, Yellow, Pink
Beam angle	: 120°
DMX Channels	: 7
Functions	: DMX, Automatic programs, Sound to light, and Master-Slave.
Dimensions per unit	: 180 x 180 x 150mm
Weight (per unit)	: 0,4 kg



YOUR PLATFORM
YOUR PARTY
YOUR EVENT



is a leading developer of lighting products, including intelligent DMX moving heads. wireless battery operated OMX effects. static washes, sound-activated club effects. strobes& blacklights. LED lighting fog and special effects machines. lasers and indoor and outdoor architectural lighting, as well as lighting controllers and protective bags.

BEAMZLIGHTING.COM

Documents / Resources



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JB90R, Mini Star Ball DMX LED 9 Colours

Related Manuals / Resources



[hama 00137289 Energy Cost Meter Instruction Manual](#)

THE SMART SOLUTION Operating Instructions Operating instruction Controls and Displays LCDdisplay FUNC
=change the display mode SET =set...



[hama Weather Station Instruction Manual](#)

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display Trend display...

[hama 00186306 EWS-1400 Color Weather Station Instruction Manual](#)

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Reference Guide https://helpguide.sony.net/mdr/wf1000xm4/v1/h_zz/ WF-1000XM4...

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