

LIGHTTEK

RINGO BEAM 120

BEAM & RGB RING MOVING HEAD



User Manual

Ver1.0

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CAUTION !

Keep this device away from rain and moisture

Unplug mains lead before opening the housing

For your own safety, please read this user manual carefully before you initially start-up

Every person involved with installation, operation and maintenance of this fixture has to

- be qualified
- follow the instruction of this manual
- consider this manual to be part of the total product
- Keep this manual for the entire service life of the product
- pass this manual to every future owner or user of the product

INTRODUCTION

Thank you for choosing our fixture, if you follow up the instruction given in this manual we are sure that you will enjoy this product for a long period of time

SAFETY INSTRUCTION

CAUTION!

Be careful with your operations, With a dangerous voltage you can suffer a dangerous electric shock when touching the wires.

This device has left our premises in absolutely 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 instruction 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 had been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature. Please make sure that there are no obvious transport damages, should you notice any damages on the AC connection cable or on the casing, do not take the device into operation and immediately consult your local dealer.

OPERATING DETERMINATIONS

This device is designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects. Do not shake the device. Avoid brute force when installing or operating the device. Never lift the fixture by holding it at the projector-head. As the mechanics may be damaged. When choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. There should not be any cable lying around. Please make sure that the fixture can not be touched or bumped. You endanger your own and the safety of others.

DESCRIPTION OF THE DEVICE

Features

- * 100V-240V AC 50Hz/60Hz
- * High power 120w white led+30pcs x 0.2W 3in1 RGB led
- * Beam angle:153800Lux@2.5° at 3M
- * 15 DMX channel
- * Fixed gobo wheel with 13 gobos plus open.gobo shaking
- * Color wheel with 7 diachronic colors plus open,split colors,rainbow effect
- * Rotated 8 facet prism with speed adjustable and variable direction
- * Frost effect
- * 0~100% linear dimmer and 1-20 times/sec high speed electronic strobe
- * DMX512, master-slave,Auto and sound activated controllable
- * LCD digital display and 5 menu buttons
- * Pan/Tilt fine, Pan 540°,Tilt 270°
- * Measurement:26.5*20.5*37.5cm
- * N.W.:6.4kg G.W.:8.5kg

INSTALLATION

Rigging

The installation of the projector has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.

IMPORTANT!OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE, including calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the projector. If you lack these qualifications, do not attempt the installation yourself, but instead use a professional structural rigger. Improper installation can result in bodily injury and or damage to property. The projector had to be installed out of the reach of people

DANGER OF FIRE! When installing the device, make sure there is no highly-inflammable material(decoration articles, etc.)within a distance of min.0.5m.

DMX 512 connection/ connection between fixture

The wires must not come into contact with each other, otherwise the fixture will not work at all or properly. Please note the starting address depends upon which controller is being used. Only use a DMX cable and 3-pin XLR-plugs and connectors in order to connect the controller with the fixture or one fixture to another

Occupation of the XLR-connection:

DMX-output
XLR mounting-socket:



DMX-input
XLR mounting-plug:



Connection with the mains.

The occupation of the connection-cables is as follows:

Cable	Pin	International
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	

The earth has to be connected. The device must only be connected with an electric installation carried out in compliance with IEC standards.

OPERATION

After you connected the effect to the mains, The fixture starts running

Stand Alone operation

In the stand alone mode, the fixture can be use without controller

Master/slave-operation

The master/slave-operation enables that several devices can be synchronized and controlled by one master-device

DMX controlled operation

You can control the projectors individually via your DMX-controller

Addressing

The control board allows you to assign the DMX starting address,

Note;it's necessary to insert the XLR termination plug (with 120ohm) in the last device in the link in order to ensure proper transmission on the DMX data link.

CONTROL BOARD

The control board offer several features :you can simple set the starting address, run the pre-programmed program or make a reset

the main menu is accessed by pressing the Mode/Esc-button, Browse through the submenu by pressing Up or Down .Press the Enter-button in order to select the desired menu. You can change the selection by pressing Up or Down, Confirm every selection by pressing the Enter-button. You can leave every mode by pressing the Mode/Esc-button .The functions provided are described in the following setting.

MENU MAP

The device has two operation modes, It can be operated in Stand Alone or in DMX controlled

Mode menu	Main menu	Function
SET (Setting)	Run Mode	DMX
		Sound
		Auto1
		Auto2
		Auto3
		Auto4
		Random
	DMX-Address	001-512
	Channel Mode	15CH
	Sound Sensitivity	Adjust from 1 to 99,80
	Invert Pan	ON/OFF
	Invert Tilt	ON/OFF
	Swap Pan-Tilt	ON/OFF

	Encoder Pan-Tilt	ON/OFF
	No DMX Signal	KEEP/CLEAR
	Display Power Save	ON/OFF
	Linear change of color wheel	ON/OFF
	FanSpeed	Max/Auto
	Load Default	OK/Cancel
Manual(TEST)	Pan	0-255
	Pan Fine	0-255
	Tilt	0-255
	Tilt Fine	0-255
	Pan-Tilt Time	0-255
	Dimmer	0-255
	Strobe	0-255
	RGB	0-255
	Color	0-255
	Fixed Gobo	0-255
	Frost	0-255
	Focus	0-255
	Prism Insertion	0-255
	Macro Function	0-255
	Reset	OK/Cancel
Offset	Service function only Password 000000	
Advance	Invert Display	ON/OFF
	Time Reset	
	Temperature control	0-120,85
HardWare	Service function only	
Sys (System)	VER.	Software version
	Total Fixture Hour	Fixture running time
	Partial Fixture Hour	Running time since last switch-on
	Temperature	Inside temperature

DMX-protocol

15 DMX channel mode

Channel	Value	Function
1	0-255	Pan movement Pan movement
2	0-255	Pan Fine Pan fine movement
3	0-255	Tilt movement Tilt movement
4	0-255	Tilt Fine Tilt fine movement
5	0-255	Pan Tilt speed Pan/Tilt movement with decreasing speed

6	0-255	Dimmer 0~100% linear dimmer
7	0-10 11-255	Strobe Shutter close Strobe with increasing speed
8	0-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-59 60-79 80-99 100-119 120-139 140-159 160-179 180-199 200-219 220-239 240-255	Auxiliary light No function Red Green Blue Red+Green Green+Blue Red+Blue Red+Green+Blue Auto Effect 1 Auto Effect 2 Auto Effect 3 Auto Effect 4 Auto Effect 5 Auto Effect 6 Auto Effect 7 Auto Effect 8 Auto Effect 9 Auto Effect 10 Sound Mode
9	0-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65-69 70-74 75-79 80-167 168-255	Color wheel White White+Red Red Red+ Green Green Green+ Blue Blue Blue+ Yellow Yellow Yellow+ Orange Orange Orange+Light Blue Light Blue Light Blue+ Magenta Magenta Magenta+White Anti-clockwise color change with decreasing speed Clockwise gobo change with increasing speed
10	0-4	Fixed Gobo Wheel Open

	5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65-69 70-74 75-79 80-84 85-89 90-94 95-99 100-104 105-109 110-114 115-119 120-124 125-129 130-134 135-139 140-197 198-255	Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 8 Gobo 9 Gobo 10 Gobo 11 Gobo 12 Gobo 13 Open shake with increasing speed Gobo 1 shaking with increasing speed Gobo 2 shaking with increasing speed Gobo 3 shaking with increasing speed Gobo 4 shaking with increasing speed Gobo 5 shaking with increasing speed Gobo 6 shaking with increasing speed Gobo 7 shaking with increasing speed Gobo 8 shaking with increasing speed Gobo 9 shaking with increasing speed Gobo 10 shaking with increasing speed Gobo 11 shaking with increasing speed Gobo 12 shaking with increasing speed Gobo 13 shaking with increasing speed Anti-clockwise gobo change with decreasing speed Clockwise gobo change with increasing speed
11	0-127 128-255	Frost No function Frost effect
12	0-255	Focus 0~100% from far to near adjustment
13	0-127 128-136 137-255	Prism No function 8-Prism effect Anti-clockwise prism rotation with increasing speed
14	0-5 6-55 56-105 106-155 156-205 206-255	Macro function No function Built-in Program 1 Built-in Program 2 Built-in Program 3 Built-in Program 4 Random internal program
15		Reset

	0-25	No function
	26-76	Reset for Gobo/color/prism/rotated gobo /focus
	77-127	Reset PAN/TILT
	128-255	Reset all

TECHNICAL SPECIFICATIONS

Model	M BEAM 120BR BEAM AND LIGHT STRIP MOVING HEAD
Voltage	100V- 250V AC 50/60Hz
Power consumption:	180W
LED	120w white led
	30pcs x 0.2W 3in1 RGB led
Net Weight	6.9Kg
Dimensions	43x30x39cm