

COB LED Spotlight



PARC-150ZOOM

Order Number 38.8110



INSTRUCTION MANUAL



LEUCHTKRAFT

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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 INSTRUCTIONS

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 instructions and warning notes written in this user manual.

Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution! Never touch them with wet hands as this could lead to mortal electrical shock. Never modify, bend, strain mechanically, put pressure on, pull or heat up the power cord. Never operate next to sources of heat or cold. Disregard can lead to power cord damages, fire or mortal electrical shock. The cable insert or the female part in the device must never be strained. There must always be sufficient cable to the device. Otherwise, the cable may be damaged which may lead to mortal electrical shock. Make sure that the power-cord is never crimped or damaged by sharp edges. Check the device and the power-cord from time to time. If extension cords are used, make sure that the core diameter is sufficient for the required power consumption of the device. All warnings concerning the power cords are also valid for possible extension cords.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord. Otherwise, the cable or plug can be damaged leading to mortal electrical shock. If the power plug or the power switch is not accessible, the device must be disconnected via the mains. If the power plug or the device is dusty,

the device must be taken out of operation, disconnected and then be cleaned with a dry cloth. Dust can reduce the insulation which may lead to mortal electrical shock. More severe dirt in and at the device should only be removed by a specialist.

There must never enter any liquid into power outlets, extension cords or any holes in the housing of the device. If you suppose that also a minimal amount of liquid may have exerted the device it must immediately be disconnected. This is also valid, if the device was exposed to high humidity. Also if the device is still running, the device must be checked by a specialist if the liquid has reduced any insulation. Reduced insulation can cause mortal electrical shock. There must never be any objects entering into the device. This is especially valid for metal parts. If any metal parts like staples or coarse metal chips enter into the device, the device must be taken out of operation and disconnected immediately. Malfunction or short-circuits caused by metal parts may cause mortal injuries. Never look directly into the light source, as sensitive persons may suffer an epileptic shock (especially meant for epileptics). Keep away children and amateurs. Never leave this device running unattended.

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 operation 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.

This device must never be operated or stockpiled in surroundings' where splash water, rain, moisture or fog may harm the device. Moisture or very high humidity can reduce the insulation and lead to mortal electrical shocks. When using smoking machines, make sure that the device is never exposed to the direct smoke jet and is installed in a distance of 0.5 meters between smoke machine and device. The room must only be saturated with an amount of smoke that the visibility will always be more than 10 meters.

The housing must never touch surrounding surfaces or objects. Make sure that the area below the installation place is blocked when rigging, dragging or servicing the fixture. For overhead use (mounting height >100cm), always fix the fixture 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. Only operate the fixture after having checked that the housing is firmly closed and all screws are tightly fastened.

The maximum ambient temperature $T_a = 40^{\circ}\text{C}$ must never be exceeded. Operate the device only after having become familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation. Please use the original packaging if the device is to be transported. Please consider that unauthorized modifications on the device are forbidden due to safety reasons! Never remove the serial barcode from the device as this would make the guarantee void. If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to dangers like short-circuit, burns, electric shock, crash etc.

DESCRIPTION OF THE DEVICE

Features

- > 150W RGB COB LED
- > 12/5/4/3 channels in option
- > Variable electronic dimmer (0-100%) and electronic strobe
- > LED operation menu with function buttons
- > Electronic zoom
- > Build-in program with speed adjustment
- > 16 bit dimmer effect and White balance
- > Temperature sensor via software to control fans speed against overheat
- > 5 different DMX channel modes. Including STAG, ARC, AR1D, AR1S and HSV

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 used 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

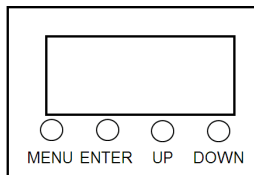
Addressing

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

Note: it's necessary to insert the XLR termination plug (with 120 ohm) 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.

When in Master/Slave Synchronization Mode, only one in a series chain can be set as the master.

STAT	R.000 Adjust red color from 0~255 G.000 Adjust green color from 0~255 B.000 Adjust blue color from 0~255 ST.00 Adjust strobe effect from 0~20 F.000 Adjust electronic zoom
AUTO	AT From AT01 to AT10 with 10 different auto mode in zoom PR From PR01 to PR10 with 10 different mode in zoom
SOUD	MOD1 Sound control with color change in zoom MOD2 Sound control with color strobe in zoom
RUN	DMX and SLAV mode for selection
DMX	Adjust DMX value from 001 to 512
PERS	STAG Run stage mode ,12 channel with details on dmx protocol ARC.1 Run 3 channel mode Red/Green/Blue AR1.d Run 4 channel mode Dimmer/Red/Green/Blue AR1.S Run 5 channel mode Dimmer/Red/Green/Blue/Strobe HSV. Adjust Color in Hue (0~255), Saturation (0~255) and Value (0~255)
ID	ID01 to ID66 to set different fixture
TEMP	CURR show current fixture temperature
EDIT	PR.01 to PR.10 to set 10 programmer SC.01 to SC.30 to set 30 different sense R.000 Adjust red color from 0~255 G.000 Adjust green color from 0~255 B.000 Adjust blue color from 0~255 ST.00 Adjust strobe effect from 0~20 T.000 Adjust from 0~255 F.000 Adjust from 0~255 M.000 Adjust electronic zoom
SET	UPLD sending data to next fixture with self-built in program REST reset fixture ID OFF/ON RGB OFF/ON POW HIGH/NORM select different power consumption with HIGH 100% and Norm 33% DIM OFF/DIM1/DIM2/DIM3/DIM4
CAL 1	White balance adjustment WT01 to WT.11 to adjust R/G/B from 0~255 Ps: when run STAG mode, channel 5 can show 11 different white color
CAL 2	RGB adjust correct color for RGB RGB adjust from 25~255

Master/slave mode (auto-running, sound control)

This mode will allow you to link up 32 units together without a controller.

Use standard DMX cables to daisy chain your units together via the DMX connector on the rear of the units.

For proper performance it may be necessary to use a terminator at the last fixture.

DMX-Protocol

Channel	Value	Function
1	0-255	Dimmer 0-100% dimmer
2	0-255	Red 0-100% Red
3	0-255	Green 0-100% Green
4	0-255	Blue 0-100% Blue
5	0-30 31-255	Color Change No function Color change in auto
6	0-10 11-255	Strobe No function Strobe with increasing speed
7	0-20 21-220 221-255	Built-in program No function Built-in program 1-10 Sound control
8	0-255	Speed for built-in program Speed from slowly to fast
9	0-9 10-29 30-69 70-129 130-189 190-255	Dimmer optional (1st channel dimmer to be open) Dimmer speed No function Dimmer 1 Dimmer 2 Dimmer 3 Dimmer 4
10	0-255	Zoom 0-100% electric zoom
11	0-255	Zoom speed Adjust zoom speed with decreasing speed
12	0-9 10-210 211-255	ID selection (After select the fixture per ID1~ID66, control via DMX when open value as below per each model even they are at same DMX value) No function Each 10 value with a ID from ID1 until ID19 Each value with a ID from ID20 until ID66

TECHNICAL SPECIFICATIONS

Model	PARC-150ZOOM
Voltage	~ 230 V / 50 Hz
Power consumption	180 VA
LED	150 W RGB COB LED
Gross Weight	4.9 kg
Dimensions	W30 x H37 x D30 cm