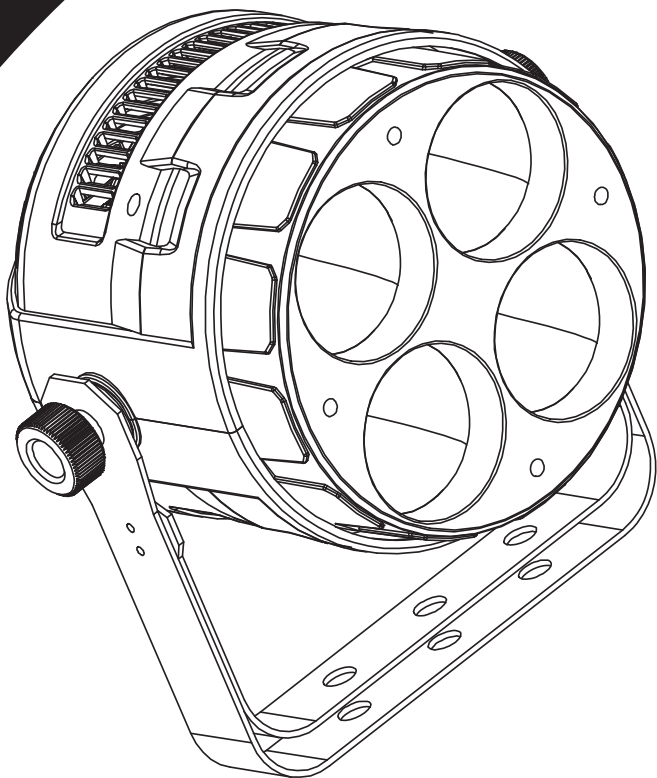# LE CLUB
Contest

Kadeo460QC

USER GUIDE
10652- Version 1 / 03-2017

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.

IMPORTANT

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

WARNING

The CAUTION symbol signals a risk of product deterioration.

CAUTION

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.
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.

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 been 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 - Technical specifications

Light sources
> › 4 x 60W 4-in-1 RGBW LEDs
> › Front lens with rotative effect
> › PAR beam angle from 6° to 80° via motorized zoom

Colours
> › Main RGBW settings
> › Colour macros

Colours
> › Zoom from 6° to 80°
> › 3 beam rotation modes:
>   - indexable
>   - infinity at adjustable speed
>   - adjustable shake
> › Stroboscope at adjustable speed
> › Adjustable electronic dimmer from 0 to 100%

Control
> › Standard DMX-512
> › 1, 10 or 12 DMX channels
> › Built-in music-sensitive shows (internal mic)
> › Drop-down display for assignation and mode selection

Additional characteristics
> › Power consumption: 350W max.
> › Power supply: 100/230V, AC - 50/60Hz
> › Dimensions: 342 x 320 x 305 mm
> › Net weight: 6,3 Kg

Package contents:
The package must contain the following elements:
> › The projector
> › The user guide

3 - Description

1 **Display, menu buttons and LED indicators**
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.

DMX LED
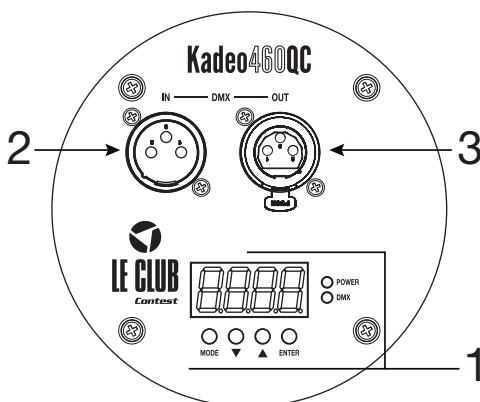Flashes regularly when the DMX mode is activated.
POWER LED
Lights up when your device is activated.

2 **DMX input**
Allows you to receive a signal from a DMX controller or from a master unit.

3 **Power output**
Allows you to power up more units.

4 - Internal menu

The projector will initialize its functions upon activation.
You will then be able to press ENTER to access menus.
Please find the menu tree description below.

MENU	UP and DOWN	Action		ENTER
DMX address				
`1` `512`		DMX Address selection Press ENTER and use UP and DOWN to select an address		Saves changes
`dnPr`	**DMX modes**			
	`Mod1`	**Mod1** : 1 channel: Shows selection in auto or music-sensitive mode	Press ENTER, then select a mode using the UP and DOWN buttons.	Saves changes
	`Mod2`	**Mod2** : 12 channels : Dimmer / Shutter / Red / Green / Blue / White / Beam Effect/ Beam effect speed / Zoom / Special functions		
	`Mod3`	**Mod3** : 12 channels : Dimmer / Shutter / Red / Green / Blue / White / Colour presets / Colour macros / Beam Effect/ Beam effect speed / Zoom / Special functions		
`PErS`	**DIsplay settings**			
	`dISP`	`on` `10Mn`	Display behaviour: **on** : The display never turns off **10Mn** : The display automatically turns off after a 10-second period	Saves changes
	`turn`	Rotates the display		
	`drES`	`on` `oFF`	Resets DMX information	
	`SCut`	`on` `oFF`	Allows you to adapt beams width to smaller rooms	
`dFSE`	**Mesut reset**			
	`FACt`	`LoAd`	Resets the menu back to factory settings.	Saves changes
`inFo`	**Uptime information and resets**			
	`thrS`	`totL`	Total projector uptime since last reset.	Saves changes
	`rSEt`	Resets the ThrS function back to 0.		
	`tLhr`	`totL`	Total LEDs uptime since last projector reset.	
	`rSEt`	Resets the TLhr function back to 0.		

MENU	UP and DOWN	Action	ENTER
$inFo$ (continuation)	$tLSt$ $totL$	Total projector uptime since its very first activation.	Saves changes
	$rSEt$	Projector uptime since last reset.	
	uEr	Current software version.	
NAn	**Manual mode** $CH01$ ⋮ $CH12$	Manually adjusts each of the 12 channel.	Saves changes
$tESt$	**Test mode** $Audi$	Tests each function in automatic mode	Saves changes
	$Auto$	Tests each function in music-sensitive mode	
$FINE$	Non used function		
$rSEt$	**Reset** rSt	Resets all functions	Saves changes

5 - DMX modes

5.1 - 1-channel mode

Channel	Values	Action
1	000 - 007	Black-Out
	008 - 059	Slow to fast Show 1 in automatic mode
	060 - 111	Slow to fast Show 2 in automatic mode
	112 - 163	Slow to fast Show 3 in automatic mode
	164 - 215	Slow to fast Show 4 in automatic mode
	216 - 225	Music-sensitive Show 1
	226 - 235	Music-sensitive Show 2
	236 - 245	Music-sensitive Show 3
	246 - 255	Music-sensitive Show 4

5.2 - 10-channel mode

Channels	Values		Action
1	**Dimmer**	000 - 255	Increasing brightness from 0 to 100%
2	**Shutter**		
		000 - 015	Blackout
		016 - 131	Slow to fast strobe
		132 - 139	Open
		140 - 181	Slow to fast pulse effect
		182 - 189	Open
		190 - 231	Slow to fast reversed pulse effect
		232 - 239	Open
		240 - 247	Slow to fast random strobe
		248 - 255	Open
3	**Red**	000 - 255	**Red** from 0 to 100%
4	**Green**	000 - 255	**Green** from 0 to 100%
5	**Blue**	000 - 255	**Blue** from 0 to 100%
6	**White**	000 - 255	**White** from 0 to 100%
7	**Beam effect**		
		000 - 119	Indexation
		120 - 239	Rotative beam effect (increasing aperture)
		240 - 255	Beam effect rotation
8	**Beam effect rotation speed**		
		000 - 007	No function
		008 - 247	Increasing speed
		248 - 255	Music-sensitive mode
9	**Zoom**	000 - 255	Zoom from 6° to 80°
10	**Special functions**		
		000 - 079	No function
		080 - 087	Beam rotary reset
		088 - 090	No function
		091 - 120	Slow to fast Show 1 in automatic mode
		121 - 150	Slow to fast Show 2 in automatic mode
		151 - 180	Slow to fast Show 3 in automatic mode
		181 - 210	Slow to fast Show 4 in automatic mode
		211 - 221	Music-sensitive Show 1
		222 - 232	Music-sensitive Show 2
		233 - 243	Music-sensitive Show 3
		244 - 255	Music-sensitive Show 4

5.3 - 12-channel mode

Channels	Values		Action
1	**Dimmer**	000 - 255	Increasing brightness from 0 to 100%
2	**Shutter**		
	Similar to channel 2 in 10-channel mode		
3	**Red**	000 - 255	**Red** from 0 to 100%
4	**Green**	000 - 255	**Green** from 0 to 100%
5	**Blue**	000 - 255	**Blue** from 0 to 100%
6	**White**	000 - 255	**White** from 0 to 100%
7	**Colour presets**		
		000 - 007	No function
		008 - 017	Red
		018 - 027	Orange
		028 - 037	Yellow
		038 - 047	Green
		048 - 057	Cyan
		058 - 067	Blue
		068 - 077	Pink
		078 - 087	Magenta
		088 - 097	Cold white
		098 - 107	Warm white
		108 - 117	Full power
		118 - 127	Pastel pink
		128 - 137	Pastel apricot
		138 - 147	Pastel ochre
		148 - 157	Yellow/Pastel pink
		158 - 167	Pastel pearl green
		168 - 177	Pastel pearl gray
		178 - 187	Pastel blue
		188 - 197	Pastel pearl blue
		198 - 207	Pastel veronese green
		208 - 217	Pastel lagoon blue
		218 - 227	Pastel sky blue
		228 - 237	Light blue
		238 - 255	Pastel blue
8	**Colour macros (crossfades)**		
		000 - 007	No function
		008 - 038	Macro 1 : Crossfade including all colours at increasing speed
		039 - 069	Macro 2 : Red to Purple crossfade at increasing speed
		070 - 100	Macro 3 : Pink to Purple crossfade at increasing speed
		101 - 131	Macro 4 : Blue to Cyan crossfade at increasing speed
		132 - 162	Macro 5 : Cyan to Green crossfade at increasing speed
		163 - 193	Macro 6 : Green to Yellow crossfade at increasing speed
		194 - 224	Macro 7 : Yellow to Orange crossfade at increasing speed
		225 - 255	Macro 8 : Orange to Red crossfade at increasing speed
9	**Beam effect**		
	Similar to channel 7 in 10-channel mode		
10	**Beam effect rotation speed**		
	Similar to channel 8 in 10-channel mode		
11	**Zoom**	000 - 255	Zoom from 6° to 80°
12	**Special functions**		
	Similar to channel 10 in 10-channel mode		