

irLED64
18x10FIVEsb

irLED64
18x10FIVEss

USER GUIDE

10072/10073 - December 2013 Version 2.0

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.

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.

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 - Introduction

These projectors are equipped with 18 super-powerful 5-in-1 LEDs with high-performance individual lenses.

In addition to primary colours (such as blue, red, green...) the white shades and Amber create warm and brightful colours. The irLED64-18x10FIVE are supplied with an infrared remote control to access colour control, built-in programs, DMX settings and a lot more.

They also have a new double mounting bracket revolutionising ground handling. Thanks to the automatic abutment point, tightening the projector is independent from the mounting bracket blocking. You can now manipulate and adjust the projectors with an optimal stability.

3 - Characteristics

• Their strengths:

- 5-in-1 LEDs
- Brightness and wide opening angle
- Natural light and colours
- Manual, DMX and music-sensitive modes, built-in programs
- Infrared remote control supplied
- Power input/output

• Package contents:

The package must contain the following products :

- A projector
- A user guide
- A double mounting bracket
- An infrared remote control
- A 2-pole + earth power cord

• Functions:

- Built-in command panel with digital drop-down display for :
 - › DMX addressing
 - › Choosing the number of channels: 2 - 8
 - › Choosing the built-in programs
 - › Choosing the preset colours (27 total)
 - › Master/Slave mode
 - › Music-sensitive mode and choosing the mic sensitivity
 - › Edit and play your own 20-step programs
- New infrared remote control giving you access to every remote function
- Deactivating the use of the infrared remote control

• Optical:

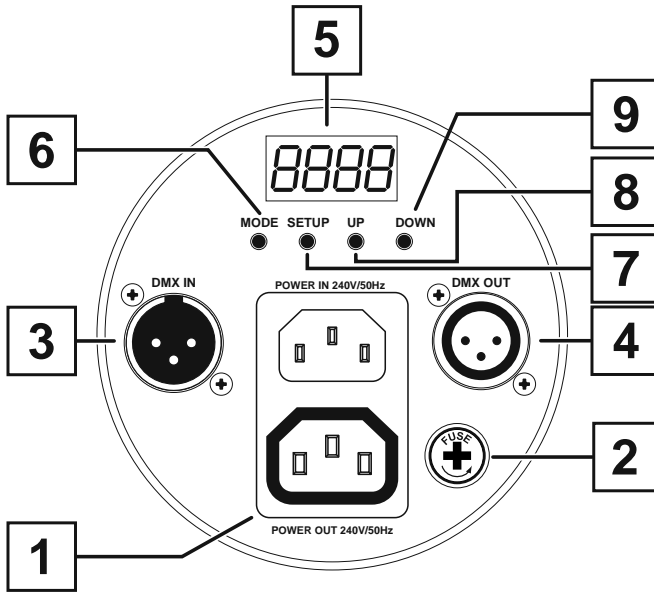
- 18 x 5-in-one LEDs (RGB + White + Amber)- 50.000 hours
- Light output : 4310 Lux at 2 m
- Beamwidth : 40°

• Connectors:

- DMX IN and OUT via 3-pin XLR,
- POWER IN/OUT via IEC sockets

- Power supply: 110/240 V 50/60 Hz
- Power consumption: 165 W
- Finish: Black or aluminium
- Dimensions: 340 x 270 x 220 mm)
- Weight: 4.6 kg

4 - Description



1 Power input/output socket

Allows you to connect the projector to an electrical outlet and to link several projectors together via a Male/Female IEC cord. Please make sure the voltage is in adequation with the product indications.

Caution : Do NOT go over 700W on the same power source.

2 Fuse

If need to replace the fuse, please make sure the new fuse has exactly the same characteristics as the original one.

3 DMX input

3-pin female XLR plug hardwired as follows :

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

4 DMX output

3-pin male XLR plug hardwired as follows :

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

5 Display

This intuitive display allows you to configure your projector. Please refer to the next paragraphs for more details about the projector configuration.

6 MODE button

Allows you to access menus and select a function.

7 SETUP button

Allows you to configure the parameters of the functions chosen with the MODE button.

8 UP button

Press UP to increase the adjustable values or browse the sub-menus.

9 Touche DOWN

Press DOWN to decrease the adjustable values or browse the sub-menus.

5 - Menus and functions

Access the internal menu by pressing MODE.

To access a submenu, press MODE again.

Press SETUP to configure the selected function.

Simultaneously press MODE and UP if you want the display to stay lit all the time.

If you want the display to lit off when the menu remains inactive for more than 20 seconds, press simultaneously MODE and DOWN..

The irLED64FIVE projectors feature several DMX modes to be fully compatible with different remote controls and projectors. Use the MODE button to choose a DMX mode. They are listed in the table below.

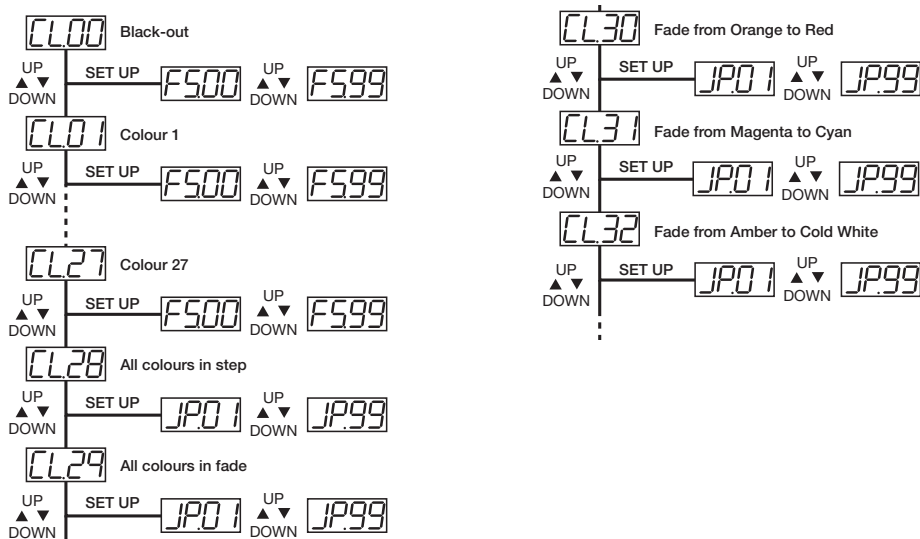
Mode	SETUP	UP and DOWN	Action
DMX modes			5 channels: R / G / B / W / A Dimmers
			6 channels: R / G / B / W / A Dimmers, Main dimmer and Strobe
			2 channels: Fixed colours and macros / Dimmer, Strobe and Music-sensitive mode
			8 channels: RGBWA Dimmers/ Dimmer and Speed / Strobe / Macros
			4 channels: RGB Dimmers / Main dimmer and Strobe
			5 channels: RGB Dimmers / Main dimmer and Strobe / White
		Address	
Fixed colours and programs			Blackout, 1-27 fixed colours selection, step colour program selection, crossfade colour program selection, and 3x2 colour programs with crossfade transitions
	Strobe		Strobe speed: FS.00 = no strobe ; FS.99 = Max. speed Only for static colours
	Speed		Crossfade programs speed settings Only available for programs with crossfade transitions
RVBWA Dimmers			Red: 0 - 100%
			Green: 0 - 100%
			Blue: 0 - 100%
			White: 0 - 100%
			Amber: 0 - 100%
		Strobe	
Automatic mode			The automatic mode is activated
	Strobe		Strobe speed : FS.00 = No strobe ; FS.99 = Full speed
Music-sensitive mode	Mic sensitivity		SU.00 = min. sensitivity ; SU.31 = max. sensitivity
Slave mode			Starts the user program

User program	USER	PLAY STOP	Allows you to set the duration of the user program
		1.01 1.99	Configures the fade out time of every step of the program
		Fd00 Fd99	Allows you to set the flash rate of every step of the program
		F500 F599	Allows you to configure the strobe speed of every step of the program
		d000 d255	Allows you to configure the max output (dimmer) of every step of the program
User program edition	Ed It	SC01 SC20	Allows you to configure the number of steps of your user program. 20 steps max.
		ST01 ST20	Selects the steps you want to create/modify
		r000 r255	Red level settings for the selected step
		G000 G255	Green level settings for the selected step
		b000 b255	Blue level settings for the selected step
		h000 h255	White level settings for the selected step
		A000 A255	Amber level settings for the selected step
	rCon rCoF	Activates or deactivates the use of an infrared remote control to control the projector.	

Note :

- Choosing a DMX mode does not require any configuration. Only the DMX address can be configured in this mode.
- In Auto mode, the strobe speed only can be configured.

More details about the fixed colours and sequences menu



6 - The various DMX modes

6.1 - 5-channel mode = RGBWA = CHPS

	DMX values	Effects
CHANNEL 1	000 - 255	Red from 0 - 100%
CHANNEL 2	000 - 255	Green from 0 - 100%
CHANNEL 3	000 - 255	Blue from 0 - 100%
CHANNEL 4	000 - 255	White from 0 - 100%
CHANNEL 5	000 - 255	Amber from 0 - 100%

6.2 - 6-channel mode = RGBWA with Dimmer and Strobe = CHBS

	DMX values	Effects
CHANNEL 1	000 - 255	Red from 0 - 100%
CHANNEL 2	000 - 255	Green from 0 - 100%
CHANNEL 3	000 - 255	Blue from 0 - 100%
CHANNEL 4	000 - 255	White from 0 - 100%
CHANNEL 5	000 - 255	Amber from 0 - 100%
CHANNEL 6	000 - 189	Main dimmer from 0 - 100%
	190 - 250	Slow to fast strobe
	251 - 255	Full power

6.3 - 2-channel mode : Fixed colours/Macros/Dimmer/Speed = CHC2

CHANNEL 1		CHANNEL 2	
DMX values	Effects	DMX values	Effects
000 - 005	Off	000 - 255	Dimmer: 0 - 100%
006 - 010	Red		
011 - 015	Orange		
016 - 020	Yellow		
021 - 025	Green		
026 - 030	Cyan		
031 - 035	Blue		
036 - 040	Pink		
041 - 045	Magenta		
046 - 050	Cold White		
051 - 055	Warm White		
056 - 060	Full White		
061 - 065	Light Pink		
066 - 070	Light Apricot		
071 - 075	Light Ocre		
076 - 080	Green Pearl		
081 - 085	Grey Pearl		
086 - 090	Pearl		
091 - 095	Blue Pearl		
096 - 100	Green Veronese		
101 - 105	Blue Lagon		
106 - 110	Sky Blue		
111 - 115	Light Blue		
116 - 120	Cerulean Blue		
121 - 125	Fluo		
126 - 130	Candy		
131 - 135	Amber		
136 - 140	Sunset		
141 - 150	Macro 1 : Colour sequencing without crossfade	000 - 255	Speed: 0 - 100%
151 - 160	Macro 2 : Colour sequencing with crossfade		
161 - 170	Macro 3 : Orange to Red crossfade		
171 - 180	Macro 4 : Magenta to Cyan crossfade		
191 - 190	Macro 5 : Amber to Cold White crossfade		
191 - 255	Music-sensitive colour macro: Colours and macros music-sensitive sequencing in a loop	000 - 255	Mic sensitivity

6.4 - 8-channel mode = RGBWA dimmers/Fixed colours/Macros/Dimmer/Speed, Sound/Strobe = **CHdB**

CHANNEL 8		CHAN. 7	CHANNEL 6		CHAN. 5	CHAN. 4	CHAN. 3	CHAN. 2	CHAN. 1
000 - 005	Off	No strobe	if channel 8 > 5	if channel 8 < 6	Amber (000-255)	White (000-255)	Blue (000-255)	Green (000-255)	Red (000-255)
006 - 010	Red	Strobe at increasing speed (000 - 255)	Main dimmer for fixed colours (channel 8) 000 - 255	Main dimmer for RGBWA colours (channels 1 - 5) 000 - 255	No function	No function	No function	No function	No function
011 - 015	Orange								
016 - 020	Yellow								
021 - 025	Green								
026 - 030	Cyan								
031 - 035	Blue								
036 - 040	Pink								
041 - 045	Magenta								
046 - 050	Cold White								
051 - 055	Warm White								
056 - 060	Full White								
061 - 065	Light Pink								
066 - 070	Light Apricot								
071 - 075	Light Ocre								
076 - 080	Green Pearl								
081 - 085	Grey Pearl								
086 - 090	Pearl								
091 - 095	Blue Pearl								
096 - 100	Green Veronese								
101 - 105	Blue Lagon								
106 - 110	Sky Blue								
111 - 115	Light Blue								
116 - 120	Cerulean Blue								
121 - 125	Fluo								
126 - 130	Candy								
131 - 135	Amber								
136 - 140	Sunset								
141 - 150	Macro 1 (colour sequencing without crossfade)	Macros speed: (000 - 255)							
151 - 160	Macro 2 : Colour sequencing with crossfade								
161 - 170	Macro 3 : Orange to Red crossfade								
171 - 180	Macro 4 : Magenta to Cyan crossfade								
181 - 190	Macro 5 : Amber to Cold White crossfade								
191 - 255	Music-sensitive colour macro: Colours and macros music-sensitive sequencing in a loop	Mic sensitivity: (000 - 255)							

6.5 - 4-channel mode = RGB (compatible with pure RGB) = **CHFY**

	Values	Effects
CHANNEL 1	000 - 255	Red from 0 - 100%
CHANNEL 2	000 - 255	Green from 0 - 100%
CHANNEL 3	000 - 255	Blue from 0 - 100%
CHANNEL 4	000 - 189	Main dimmer from 0 - 100%
	190 - 250	Slow to fast strobe
	251 - 255	Full power

6.6 - 5-channel mode = RGB + W (Pure RGB compatible, with White on the last channel) = **CHFS**

	Values	Effects
CHANNEL 1	000 - 255	Red from 0 - 100%
CHANNEL 2	000 - 255	Green from 0 - 100%
CHANNEL 3	000 - 255	Blue from 0 - 100%
CHANNEL 4	000 - 189	Main dimmer from 0 - 100%
	190 - 250	Slow to fast strobe
	251 - 255	Full power
CHANNEL 5	000 - 255	White from 0 - 100%

7 - Infrared remote control

The infrared remote control supplied with the projectors allows you to remotely access all the functions of the projectors. The infrared sensor is located on the front of the projector.

Notes : The remote control can also be used when the projector is in DMX mode.

The display always indicate the status of your projector.

1 - Black out button : Turns the projectors ON or OFF.

2 - SELECT PROG button : Allows you to launch a built-in program or choose fixed colours. 4 different modes are available, each pressure on the SELECT PROG button changes of DMX mode.

1st pressure	Red LEDs flashing : Use the 1 to 9 buttons and + and - buttons to choose fixed colours, step programs and crossfade sequences. Adjust the strobe speed with the Flash button and the + and - buttons. Adjust the programs speed with the SPEED button and the + and - buttons.
2nd pressure	Blue LEDs flashing : Auto mode. Adjust the strobe speed with the Flash button and the + and - buttons. Adjust the programs speed with the SPEED button and the + and - buttons.

3 - FLASH button : Activates or deactivates the Flash mode. Increase or decrease the flash speed with the + and - buttons of the remote control.

4 - SPEED button : Allows you to modify the Step and crossfade programs speed. Increase or decrease the speed with the + and - buttons of the remote control.

6 - DMX mode selection - DMX MODE button

There are 6 different DMX modes.

You will need to select a DMX mode before controlling your projector in DMX mode ;

Press the DMX MODE button and use the + and - buttons to switch from one mode to another :

LEDs ON	Mode
Red	CHAS
Green	CH66
Blue	CHC2
White	CHd8
Amber	CHe4
Red and Blue	CHFS

7 - SL/SA button : Activates the music-sensitive mode (SA) or slave mode (SL). When using the music-sensitive mode (Green LEDs ON), use the + and - buttons to adjust the sensitivity. The slave mode is indicated by red LEDs.

8 - - SET ADDR buttons and 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9: Allows you to configure your projectors DMX address.

For instance, if you want to configure the address 245 :

- Press SET ADDR, all the LEDs are flashing to indicate the process beginning.
- Press 2, the green LEDs of your projectors lit up to indicate the hundreds digit has been saved.
- Press 4, the blue LEDs of your projector lit up to indicate the tenths digit has been saved.
- Then press 5. All the LEDs will flash to confirm you the address has been saved properly.

Note : For values with 1 or 2 digits, you will need to write down the 0. This means for the address 5, you need to enter 0,0 and 5.

9 - R,G,B, W and A buttons : Adjust the colours brightness, R for Red, G for Green, B for blue, W for white, and A for Amber. Increase or decrease the brightness with the + and - remote control buttons.

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