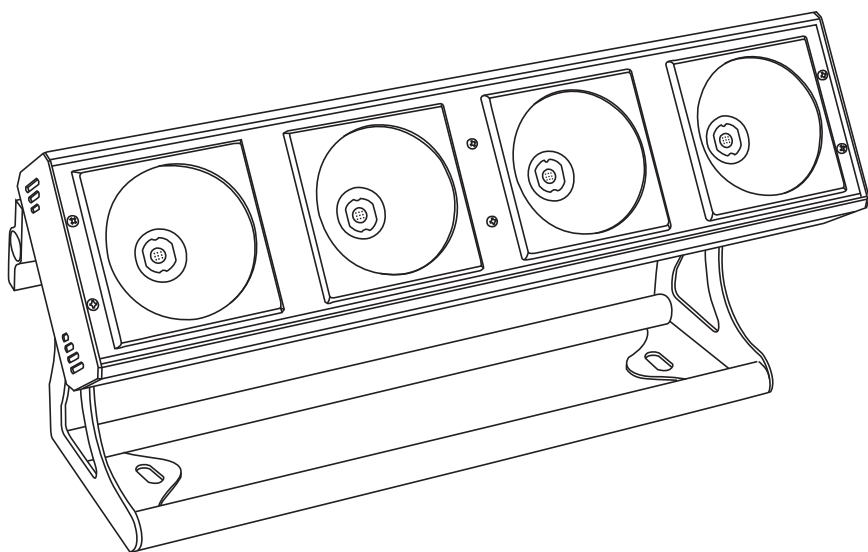


**PIXXEN**  
**COB**



**PIX14**

# 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.



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.



Any maintenance procedure must be performed by a CONTEST authorised technical service. Basic cleaning operations must thoroughly follow our safety instructions.



**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.



### Warning

This product is equipped with Class 2 LEDs. Please avoid looking directly at the beam as it may cause severe eye injuries.



### Risk of electric shock

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.e.



### 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.

## Symbols used



This symbol signals an important safety precaution.



The CAUTION symbol signals a risk of product deterioration.



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



Note : The legislation requires that every device set up in a public space features a double fixation bracket. This security system must hold 10 times the weight of the device.

## 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 .

### 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 - Main characteristics

Here is a unique projector.

It features 4x30W COB (Chips On Board) LEDs, and provides a exceptional light output for a very slow power consumption, and extended lifespan.

### • Features:

- Black metal housing
- Suspension bracket
- Rear display
- Internal thermal protection

### • Functions:

- › Drop-down display to:
  - Configure the DMX address
  - Choose the number of channels 2, 3, 4, 5, 6, 12 or 15 channels
  - Step/Fade programs selection
  - Choose the preset colours
- › Slave mode
- › Multi-slave mode to create sequences with multiple devices
- › Music-sensitive mode with mic sensitivity settings

### • Package contents:

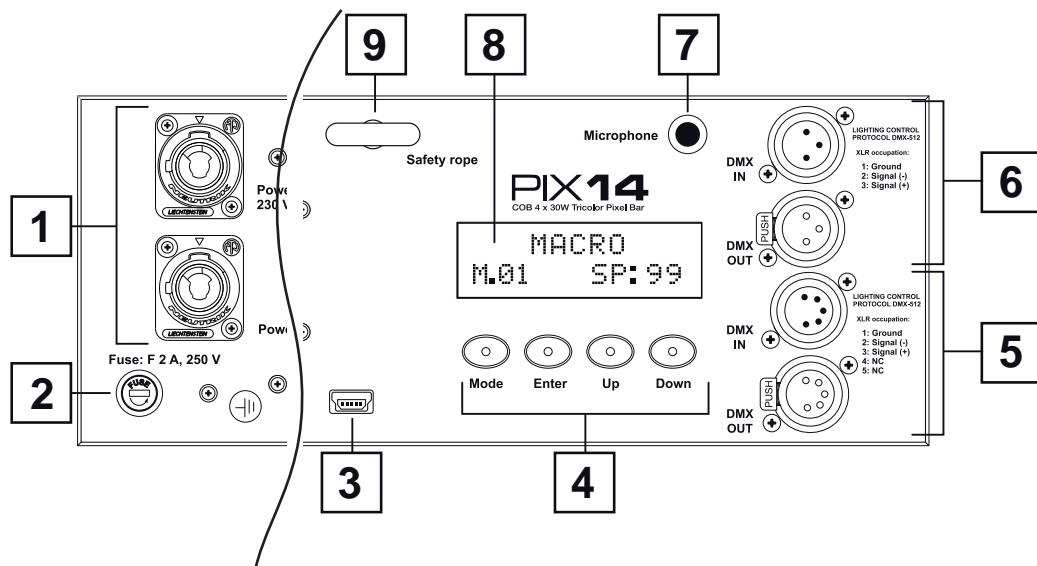
The package must contain the following products:

- › A projector
- › A user guide
- › A PowerCON® cord / 2 pole + earth

## 3 - Technical specifications

- 8 LEDs COB
- 30W tricolour LEDs
- Beamwidth: 60°
- 3-pin and 5-pin XLR input/output
- PowerCON® input/output (daisy chain up to 20 projectors max.)
- Power consumption: 120W
- Power supply: 100/240V, AC - 50/60Hz
- Thermo-regulated cooling system
- Dimensions: 440 x 150 x 170 mm
- Net weight: 4.9 Kg

## 4 - Description



### 1 Power input/output socket

Allows you to connect the projector to an electrical outlet and to link several projectors together. These are PowerCON Neutrik® sockets.

### 2 Main fuse

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

### 3 Mini USB socket

Allows you to update the internal software.  
Note : this update can only be performed by our staff.  
Do not connect any device to this plug. The update requires a specific equipment.

### 4 Menu buttons

#### MODE button

Allows you to access menus and select a function.

#### ENTER button

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

#### UP and DOWN buttons

Allow you to increase/decrease the adjustable values or browse the submenus.

### 5 DMX output

3-pin male XLR plug hardwired as follows :

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

### 6 DMX input

3-pin female XLR plug hardwired as follows :

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

### 7 Microphone

Used for music-sensitive programs.

### 8 Display

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

### 9 Hanging ring

Allows you to secure the projector with a safety cable.

The legislation requires that every device set up in a public space features a double fixation bracket. This security system must hold 10 times the weight of the device.

## 5 -Internal menu

### 5.1 - Submenus and functions

MODE	ENTER	UP and DOWN	Action
<div>MACRO M:XX SP:XX</div> <b>MACRO MODE</b>	<b>1</b> : Selection <b>2</b> : Sequences speed	<b>1</b> : Macros selection <b>2</b> : Speed settings	Fixed colours selection and sequences. In this mode the LEDs change their colour at the same time. The speed settings are only available for sequences. Please refer to the next paragraph for more details about macros.
<div>PATTERN P:XX SP:XX</div> <b>PATTERN MODE</b>	<b>1</b> : Selection <b>2</b> : Sequences speed	<b>1</b> : Patterns selection <b>2</b> : Speed settings	Patterns selection. In this mode the LEDs act independently, like a chaser.
<div>PATTERN INVERT ON/OFF</div> <b>PATTERNS INVERSION</b>	Activates the function	<b>ON</b> or <b>OFF</b>	This function reverses the patterns.
<div>AUTO RUN SP:XX</div> <b>AUTOMATIC MODE</b>	Speed settings	Speed from 1 - 99	Patterns are launched one after another at the speed selected via the <b>SP</b> submenu.
<div>AUDIO MODE SENS:XX</div> <b>MUSIC-SENSITIVE MODE</b>	Mic sensitivity settings	Sensitivity from 1 - 99	Patterns are launched one after another and are music-sensitive. The SENS determines the mic sensitivity.
<div>MULTI MS MASTER:W/N</div> <b>MULTI-SLAVE MODE</b>	<b>1</b> : Activates the function <b>2</b> : Number of slaves selection	<div>MULTI MS SLAVE:1</div>	Allows you to spread patterns across several PIX18 units (up to 10 max).
		<div>MULTI MS SLAVE 10</div>	Please refer to next page for more details about this function.
<div>NO DMX MODE XXXX</div> <b>NO DMX MODE</b>	Configures the projector reaction when no DMX signal is detected	<div>NO DMX MODE CLOSE</div>	<b>Close</b> : The projector blacks-out
		<div>NO DMX MODE HOLD</div>	<b>Hold</b> : The projector holds onto the last information received
		<div>NO DMX MODE AUTO</div>	<b>Auto</b> : Switches to Auto mode
		<div>NO DMX MODE AUDIO</div>	<b>Audio</b> : Switches to music-sensitive mode
<div>SLAVE MODE</div> <b>SLAVE MODE</b>	Activates the slave mode		The unit is in slave mode and awaits a signal from another PIX18.
<div>DMX MODE ADDR:XXX CH:XX</div> <b>DMX ADDRESS &amp; NUMBER OF CHANNELS</b>  (the display flashes in case of signal interruption)	<b>1</b> : DMX address <b>2</b> : Number of channels	<div>DMX MODE ADDR:XXX CH:02</div>	<b>2 channels</b> : Macros, Patterns and dimmer
		<div>DMX MODE ADDR:XXX CH:03</div>	<b>3 channels</b> : R, G and B
		<div>DMX MODE ADDR:XXX CH:04</div>	<b>4 channels</b> : R, G, B and Dimmer/Strobe
		<div>DMX MODE ADDR:XXX CH:05</div>	<b>5 channels</b> : R, G, B, Dimmer and Strobe
		<div>DMX MODE ADDR:XXX CH:06</div>	<b>6 channels</b> : R, G, B, Dimmer, Strobe/Speed and Macros/Patterns
		<div>DMX MODE ADDR:XXX CH:24</div>	<b>12 channels</b> : Each colour is controlled separately for each LED
		<div>DMX MODE ADDR:XXX CH:27</div>	<b>15 channels</b> : Each colour is controlled separately for each LED, Dimmer, Strobe/Speed and Macros/Patterns

## 5.2 - Macros and colours details

C_01	MACRO	Red
C_02	MACRO	Orange
C_03	MACRO	Yellow
C_04	MACRO	Green
C_05	MACRO	Cyan
C_06	MACRO	Blue
C_07	MACRO	Pink
C_08	MACRO	Magenta

C_09	MACRO	Cool white
C_10	MACRO	Warm white
M_1	MACRO SP:XX	Colour macro 1: step, with speed settings
M_2	MACRO SP:XX	Colour macro 2: fade, with speed settings
M_3	MACRO SP:XX	Colour macro 3: fade, with speed settings
M_4	MACRO SP:XX	Colour macro 4: fade, with speed settings
M_5	MACRO SP:XX	Colour macro 5: fade, with speed settings

## 5.3 - Macros behaviour

Macro 1	M_1 MACRO SP:XX	10 fixed colours sequencing (Red, Orange, Yellow, Green, Cyan, Blue, Magenta, Pink, Cool white and Warm white). Step transitions.
Macro 2	M_2 MACRO SP:XX	10 fixed colours sequencing (Red, Orange, Yellow, Green, Cyan, Blue, Magenta, Pink, Cool white and Warm white). Crossfade transitions.
Macro 3	M_3 MACRO SP:XX	Non-stop crossfade from Red to Orange
Macro 4	M_4 MACRO SP:XX	Non-stop crossfade from Green to Blue
Macro 5	M_5 MACRO SP:XX	Non-stop crossfade from Warm white to Cool white

## 5.4 - MULTI MS mode configuration

The MULTI MS mode allows you to spread patterns across several units.

For instance:

1 - If you have 2 units:

- For the first unit, access the MULTI MS menu and select M/S : YES and SL2
- For the second unit, access the MULTI MS menu and select M/S : NO and SL1
- Set the first unit in PATTERN mode and configure the speed.

2 - If you have 3 units:

- For the first unit, access the MULTI MS menu and select M/S : YES and SL3
- For the second unit, access the MULTI MS menu and select M/S : NO and SL2
- For the third unit, access the MULTI MS menu and select M/S : NO and SL1
- Set the first unit in PATTERN mode and configure the speed.

In brief:

- The master unit has the highest SL number (SL1, SL2, SL3, ...etc).
- The unit with the highest SL number must be switched in PATTERN mode to launch an animation.
- Please note: Non-master units must NOT be put in SLAVE mode.

## 6 - The various DMX modes

### 6.1 - 2-channel mode

CHANNEL 1		CHANNEL 2	
DMX values	Effect	DMX values	Effect
000 - 010	Off	000 - 255	If channel 1 between 000 and 112 Dimmer from 0 - 100%
011 - 020	Red		
021 - 030	Orange		
031 - 040	Yellow		
041 - 051	Green		
052 - 061	Cyan		
062 - 071	Blue		
072 - 081	Purple		
082 - 092	Magenta		
093 - 102	Cool white (6000°K)		
103 - 112	Warm white (3200°K)		
113 - 122	Colour macro 1	000 - 245	If channel 1 between 113 and 245 Increasing speed
123 - 133	Colour macro 2		
134 - 143	Colour macro 3		
144 - 153	Colour macro 4		
154 - 163	Colour macro 5		
164 - 174	Pattern 1		
175 - 184	Pattern 2		
185 - 194	Pattern 3		
195 - 204	Pattern 4		
205 - 215	Pattern 5		
216 - 225	Pattern 6		
226 - 235	Pattern 7		
236 - 245	Pattern 8		
246 - 255	Auto sequencing	246 - 255	Music-sensitive mode

Note :

- The colour macros are described in paragraph 5.3.
- The Auto sequencing includes the 10 preset colours, macros and patterns in a loop.

### 6.2 - 3-channel mode

	DMX values	Effect
CHANNEL 1	000 - 255	Red from 0 - 100%
CHANNEL 2	000 - 255	Green from 0 - 100%
CHANNEL 3	000 - 255	Blue from 0 - 100%

### 6.3 - 4-channel mode

	DMX values	Effect
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



## 6.4 - 5-channel mode

	DMX value	Effect
<b>CHANNEL 1</b>	<b>000 - 255</b>	Red from 0 - 100%
<b>CHANNEL 2</b>	<b>000 - 255</b>	Green from 0 - 100%
<b>CHANNEL 3</b>	<b>000 - 255</b>	Blue from 0 - 100%
<b>CHANNEL 4</b>	<b>000 - 255</b>	Main dimmer from 0 - 100%
<b>CHANNEL 5</b>	<b>000 - 015</b>	No function
	<b>016 - 255</b>	Slow to fast strobe

## 6.5 - 6-channel mode

CH 6		CH 5	CH 4	CH 3	CH 2	CH 1		
DMX value	Colours, Macros, Patterns	Strobe	Dimmer, Speed, Music-sensitive	Blue	Green	Red		
000 - 010	No function	Between 000 and 015 No function	If channel 6 between 000 and 112 Main dimmer (000 - 255) From 0 - 100%	If channel 6 between 000 and 010				
011 - 020	Red	Strobe (016- 255) From slow to fast		(000 - 255) From 0 - 100%	(000 - 255) From 0 - 100%	(000 - 255) From 0 - 100%		
021 - 030	Orange							
031 - 040	Yellow							
041 - 051	Green							
052 - 061	Cyan							
062 - 071	Blue							
072 - 081	Purple							
082 - 092	Magenta							
093 - 102	Cool white (6000°K)							
103 - 112	Warm white (3000°K)							
113 - 122	Macro 1	If channel 6 between 113 and 245 Macros and patterns speed (000 - 245) From slow to fast						
123 - 133	Macro 2							
134 - 143	Macro 3							
144 - 153	Macro 4							
154 - 163	Macro 5							
164 - 174	Pattern 1							
175 - 184	Pattern 2							
185 - 194	Pattern 3							

## 6.6 - 12-channel mode

Channel	DMX value	Function
Channel 1	000 - 255	LED 1 Red from 0 - 100%
Channel 2	000 - 255	LED 1 Green from 0 - 100%
Channel 3	000 - 255	LED 1 Blue from 0 - 100%
Channel 4	000 - 255	LED 2 Red from 0 - 100%
Channel 5	000 - 255	LED 2 Green from 0 - 100%
Channel 6	000 - 255	LED 2 Blue from 0 - 100%
Channel 7	000 - 255	LED 3 Red from 0 - 100%
Channel 8	000 - 255	LED 3 Green from 0 - 100%
Channel 9	000 - 255	LED 3 Blue from 0 - 100%
Channel 10	000 - 255	LED 4 Red from 0 - 100%
Channel 11	000 - 255	LED 4 Green from 0 - 100%
Channel 12	000 - 255	LED 4 Blue from 0 - 100%

## 6.7 - 15-channel mode

CHANNEL 15		CHAN. 14	CHANNEL 13	CHANNEL 1 to 12				
DMX values	Colours, Macros, Patterns	Strobe	Dimmer, Speed, Music-sensitive	Blue	Green	Red		
000 - 010	No function	Between 000 and 015 No function	If channel 15 between 000 and 112 Main dimmer (000 - 255) From 0 - 100%	If channel 15 between 000 and 010				
011 - 020	Red	Strobe (016 - 255) From slow to fast		(000 - 255) From 0 - 100%	(000 - 255) From 0 - 100%	(000 - 255) From 0 - 100%		
021 - 030	Orange							
031 - 040	Yellow							
041 - 051	Green							
052 - 061	Cyan							
062 - 071	Blue							
072 - 081	Purple							
082 - 092	Magenta							
093 - 102	Cool white (6000°K)							
103 - 112	Warm white (3000°K)							
113 - 122	Macro 1	If channel 15 between 113 and 245 Macros and patterns speed(000 - 245) From slow to fast						
123 - 133	Macro 2							
134 - 143	Macro 3							
144 - 153	Macro 4							



Because CONTEST® takes the utmost care in its products to make sure you only get the best possible quality, our products are subjects to modifications without prior notice. That is why technical specifications and the products physical configuration might differ from the illustrations.

Make sure you get the latest news and updates about the CONTEST® products on [www.contest-lighting.com](http://www.contest-lighting.com)

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