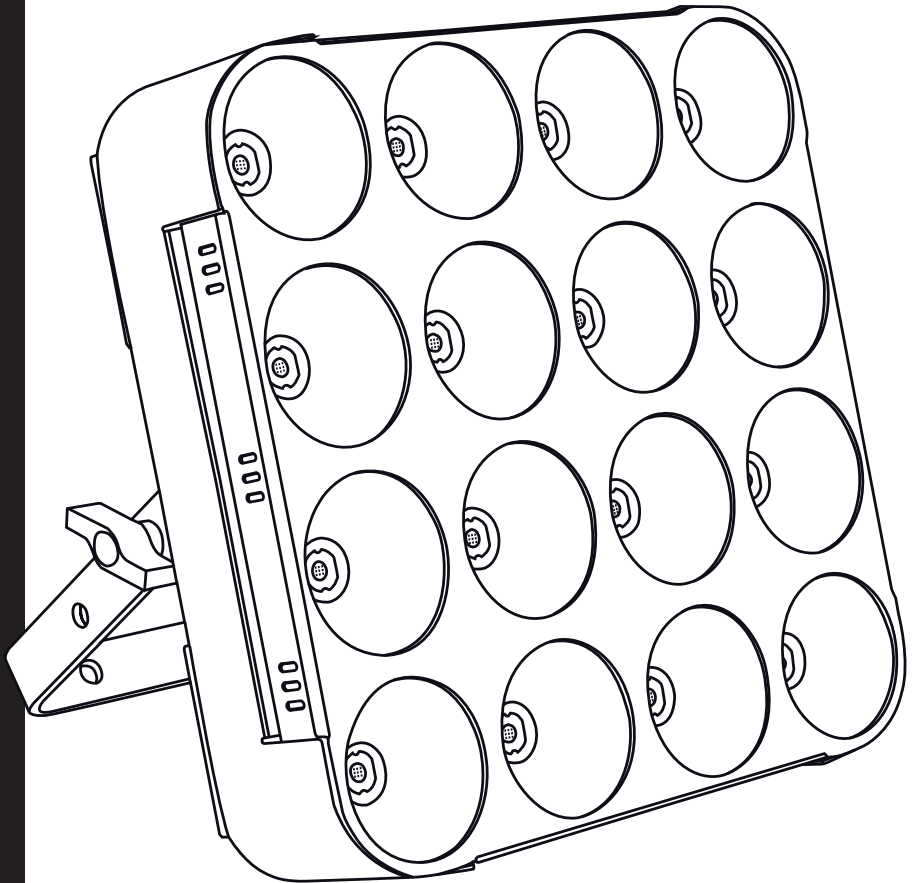


16X30W TRI COB LEDS FLOOD PROJECTOR WITH LCD DISPLAY



PIXXEN
COB



PIX44

USER GUIDE

10016 - September 2013 Version 1.12

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 16x30W COB (Chips On Board) LEDs, and provides an exceptional light output for a very low 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, 48 or 51 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:

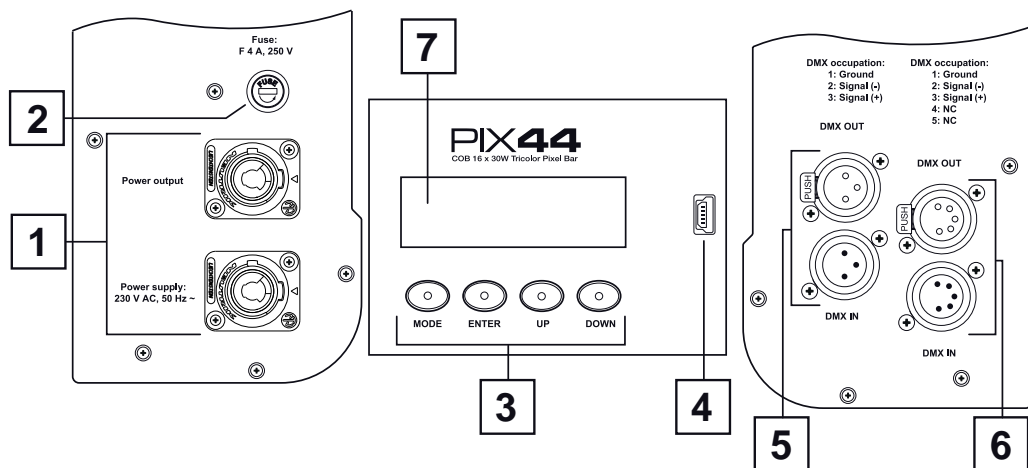
The package must contain the following products:

- › A projector
- › A user guide
- › An IEC 2 pole + earth power cord

3 - Technical specifications

- 16 COB LEDs
- 30W tricolour LEDs
- Beamwidth: 60°
- 3-pin and 5-pin XLR DMX input/output
- PowerCON® power input/output (daisy chain up to 5 projectors)
- Power consumption: 500W
- Power supply: 100/240V, AC - 50/60Hz
- Thermo-regulated cooling system
- Dimensions : 345 x 365 x 180 mm
- Net weight: 8.18 Kg

4 - Description



1 Power input/output

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 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.

4 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.

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 Display

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

5 - Internal menu

5.1 - Submenus and functions

MODE	ENTER	UP and DOWN	Action
<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;"> MACRO M:XX SP:XX </div> MACRO MODE	1: Selection 2: Sequences speed	1: Macros selection 2: 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 style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;"> PATTERN P:XX SP:XX </div> PATTERN MODE	1 : Selection 2 : Sequences speed	1: Patterns selection 2: Speed settings	Patterns selection. In this mode the LEDs act independently, like a chaser.
<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;"> PATTERN INVERT ON/OFF </div> PATTERNS INVERSION	Activates the function	ON or OFF	This function reverses the patterns.
<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;"> AUTO RUN SP:XX </div> AUTOMATIC MODE	Speed settings	Speed from 1 - 99	Patterns are launched one after another at the speed selected via the SP submenu.
<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;"> AUDIO MODE SENS:XX </div> MUSIC-SENSITIVE MODE	Mic sensitivity settings	Sensitivity from 1 - 99	Patterns are launched one after another and are music-sensitive. The SENS determines the mic sensitivity.
<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;"> MULTI MS MASTER:W/N </div> MULTI-SLAVE MODE	1 : Activates the function 2 : Number of slaves selection	<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;"> MULTI MS SLAVE:1 </div> -----	Allows you to spread patterns across several PIX44 units (up to 10 max). Please refer to next page for more details about this function.
		<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;"> MULTI MS SLAVE:10 </div>	
<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;"> NO DMX MODE XXXXXX </div> NO DMX MODE	Configures the projector reaction when no DMX signal is detected	<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;"> NO DMX MODE CLOSE </div>	Close : The projector blacks-out
		<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;"> NO DMX MODE HOLD </div>	Hold : The projector holds onto the last information received
		<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;"> NO DMX MODE AUTO </div>	Auto : Switches to Auto mode
		<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;"> NO DMX MODE AUDIO </div>	Audio : Switches to music-sensitive mode
<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;"> SLAVE MODE </div> SLAVE MODE	Activates the slave mode		The unit is in slave mode and awaits a signal from another PIX44.
<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;"> DMX MODE ADDR:XXX CH:XX </div> DMX ADDRESS & NUMBER OF CHANNELS (the display flashes in case of signal interruption)	1: DMX address 2: Number of channels	<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;"> DMX MODE ADDR:XXX CH202 </div>	2 channels : Macros, Patterns and dimmer
		<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;"> DMX MODE ADDR:XXX CH203 </div>	3 channels : R, G and B
		<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;"> DMX MODE ADDR:XXX CH204 </div>	4 channels : R, G, B and Dimmer/Strobe
		<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;"> DMX MODE ADDR:XXX CH205 </div>	5 channels : R, G, B, Dimmer and Strobe
		<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;"> DMX MODE ADDR:XXX CH206 </div>	6 channels : R, G, B, Dimmer, Strobe/Speed and Macros/Patterns
		<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;"> DMX MODE ADDR:XXX CH248 </div>	48 channels : Each colour is controlled separately for each LED
		<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;"> DMX MODE ADDR:XXX CH251 </div>	51 channels : 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
M1	MACRO SP:XX	Colour macro 1: step, with speed settings
M2	MACRO SP:XX	Colour macro 2: fade, with speed settings
M3	MACRO SP:XX	Colour macro 3: fade, with speed settings
M4	MACRO SP:XX	Colour macro 4: fade, with speed settings
M5	MACRO SP:XX	Colour macro 5: fade, with speed settings

5.3 - Macros behaviour

Macro 1	M1 MACRO SP:XX	10 fixed colours sequencing (Red, Orange, Yellow, Green, Cyan, Blue, Magenta, Pink, Cool white and Warm white). Step transitions.
Macro 2	M2 MACRO SP:XX	10 fixed colours sequencing (Red, Orange, Yellow, Green, Cyan, Blue, Magenta, Pink, Cool white and Warm white). Crossfade transitions.
Macro 3	M3 MACRO SP:XX	Non-stop crossfade from Red to Orange
Macro 4	M4 MACRO SP:XX	Non-stop crossfade from Green to Blue
Macro 5	M5 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:

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

2 - If you have 3 units:

- a - For the first unit, access the MULTI MS menu and select M/S : YES and SL3
- b - For the second unit, access the MULTI MS menu and select M/S : NO and SL2
- c - For the third unit, access the MULTI MS menu and select M/S : NO and SL1
- d - 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
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	Main dimmer from 0 - 100%
CHANNEL 5	000 - 015	No function
	016 - 255	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		If channel 6 between 113 and 245 Macros and patterns speed (000 - 245) 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						
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						
195 - 204	Pattern 4						
205 - 215	Pattern 5						
216 - 225	Pattern 6						
226 - 235	Pattern 7						
236 - 245	Pattern 8						
246 - 255	Auto sequencing		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.

6.6 - 48-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 46	000 - 255	LED 16 Red from 0 - 100%
Channel 47	000 - 255	LED 16 Green from 0 - 100%
Channel 48	000 - 255	LED 16 Blue from 0 - 100%

6.7 - 51-channel mode

CHANNEL 51		CHAN. 50	CHANNEL 49	CHANNELS 1 to 48		
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 51 between 000 and 112 Dimmer général (000 - 255) From 0 - 100%	If channel 51 between 000 and 010		
011 - 020	Red	Strobe (016 - 255) From slow to fast		If channel 51 between 113 and 245 Macros and patterns speed(000 - 245) From slow to fast	(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					
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					
195 - 204	Pattern 4					
205 - 215	Pattern 5					
216 - 225	Pattern 6					
226 - 235	Pattern 7					
236 - 245	Pattern 8					
246 - 255	Auto sequencing		Music-sensitive mode			

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