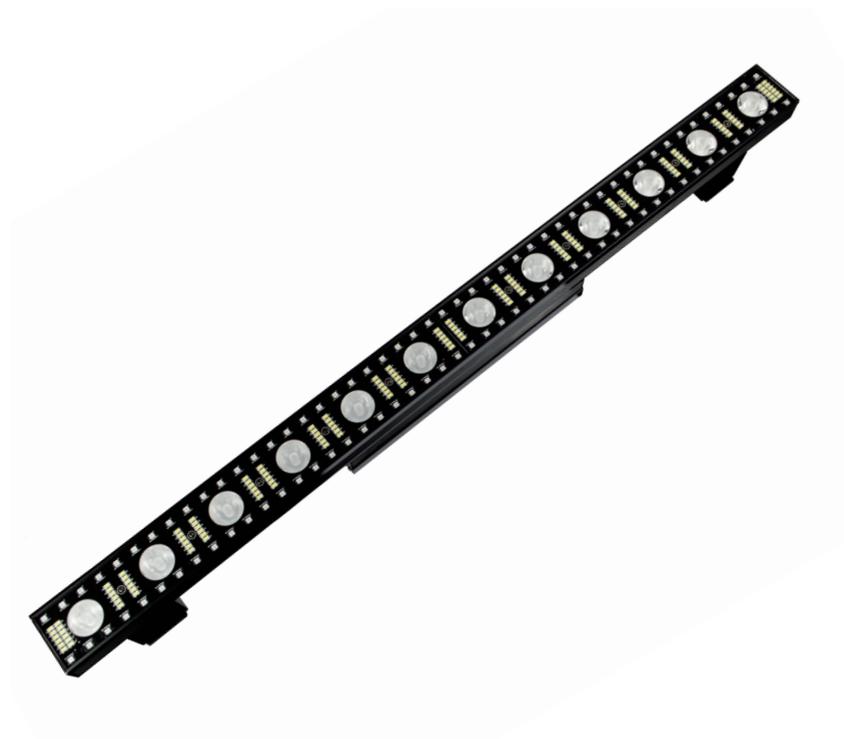


# FX BAR 5050



Version 1.0

## USER MANUAL

- Be sure to read the USER MANUAL carefully before using this product.
- Be sure to keep the USER MANUAL properly for future needs.
- Use this product correctly when you can fully understand the User Manual



**JMAZ LIGHTING**

Address: 313 NEWQUIST PLACE STE B, CITY OF INDUSTRY, CA 91745 USA  
Phone: 1-626-380-0883    [www.jmazlighting.com](http://www.jmazlighting.com)    [support@jmazlighting.com](mailto:support@jmazlighting.com)

## 10. Maintenance and cleaning

It is absolutely essential that the fixture is kept clean and that dust, dirt and smoke-fluid residue must not build up on or within the fixture. Otherwise, the fixture's light-output will be significantly reduced. Regular cleaning will not only ensure the maximum light-output, but will also allow the fixture to function reliably throughout its life. A soft lint-free cloth moistened with any good glass cleaning fluid is recommended, under no circumstances should alcohol or solvents be used!

**DANGER !**  
Disconnect from the mains before starting any maintenance work

The front objective lens will require weekly cleaning as smoke-fluid tends to building up residues, reducing the light-output very quickly. The cooling-fans should be cleaned monthly.

The interior of the fixture should be cleaned at least annually using a vacuum-cleaner or an air-jet. Dichroic colour filters, CMY lamellas, gobo and graphic wheels and the internal lenses should be cleaned monthly. Remove dust and dirt from the fans and cooling vents using a soft brush and vacuum-cleaner.

Important! Check the air filters periodically and clean before they become clogged!

Clean two air filters placed in the fixture's covers and two in the fixture base. Use a vacuum cleaner, compressed air or you can wash them and put back dry.

After replacing the air filters, reset the elapsed time counter in the menu "Information" (Information--->Air Filters--->Elapsed Time).

Replacing the fuse. Before replacing the fuse, unplug mains lead.

- 1) Remove the fuse holder on the rear panel of the base with a fitting screwdriver from the housing (anti-clockwise).
- 2) Remove the old fuse from the fuse holder.
- 3) Install the new fuse in the fuse holder (only the same type and rating).
- 4) Replace the fuseholder in the housing and fix it.

## 1. Safety instructions

Thank you for choosing our Pixel FX Bar 12X05W . FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY

**BEFORE YOU INITIAL START - UP!**

**CAUTION!**  
*Be careful with your operations.*  
*With a high 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 manual.

**CAUTION!**  
*Keep this device away from rain and moisture!*  
*Unplug mains lead before opening the housing!*

### **Important:**

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

During the operation the housing becomes hot). Allow the fixture to cool approximately 20 minutes prior to manipulate with it.

Make sure that the available voltage is not higher than stated on the rear panel.

**WARNING!** This unit does not contain an ON/OFF switch. Always disconnect power input cable to completely remove power from unit when not in use or before cleaning or servicing the fixture.

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.

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.

This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.

The electric connection, repairs and servicing must be carried out by a qualified employee.

Do not connect this device to a dimmer pack.

Do not switch the fixture on and off in short intervals as this would reduce the lamp life.

During the initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective.

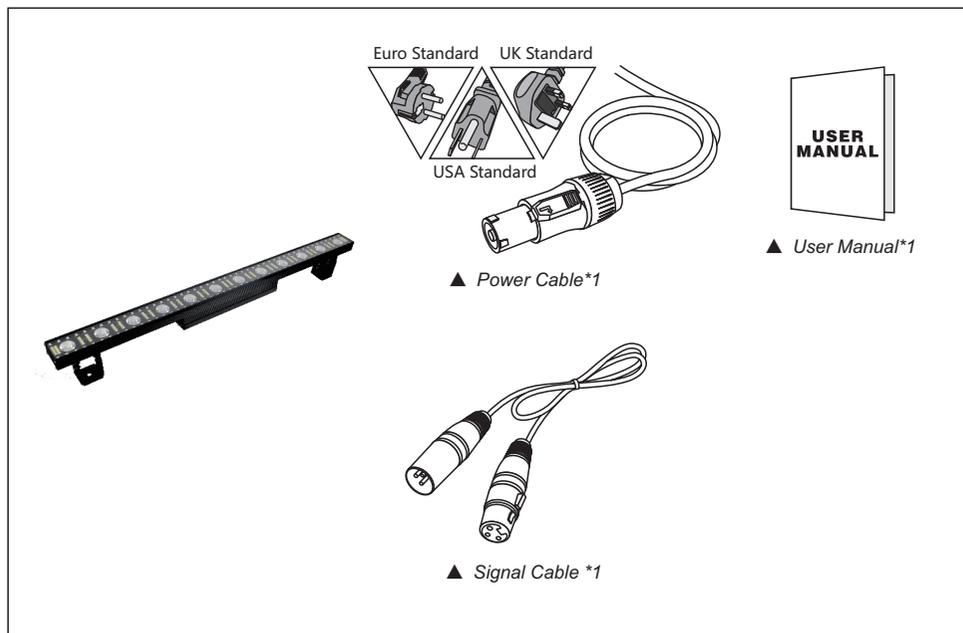
Do not touch the device's housing bare hands during its operation (housing becomes hot)!

For replacement use lamps and fuses of same type and rating only.

**CAUTION ! EYE DAMAGES !**  
*Avoid looking directly into the light source*  
*(meant especially for epileptics) !*

## 2.UNPACKING

Pixel FX Bar 12X05W adopts 12\*5W 3 IN 1 LEDs which features high brightness and stability. Please carefully unpack it when you receive the fixture and check whether it is damaged during the transportation. And please check whether the following items are included inside the box:



Pixel FX Bar 12X05W is made of a new type of high temperature strength of engineering plastics and cast aluminum casing with nice outlook. The fixture is designed and manufactured strictly following CE standards, complying with international standard DMX512 protocol. It's available independently controlled and linkable with each other for operation. And it is applicable for large-scale live performances, theater, studio, nightclubs and discos.

This manual covers the important information on installation and applications. Meanwhile, please keep this manual well for future needs.

57	29	24	19	14		LampMacro							
						0.20	No Function						
						21.35	LampMacroScene 1						
						36.50	LampMacroScene 2						
						51.65	LampMacroScene 3						
						66.80	LampMacroScene 4						
						81.95	LampMacroScene 5						
						96.110	LampMacroScene 6						
						111.125	LampMacroScene 7						
						126.140	LampMacroScene 8						
						141.155	LampMacroScene 9						
						156.170	LampMacroScene 10						
						171.185	LampMacroScene 11						
						186.200	LampMacroScene 12						
58	30	25	20	15		LampMacroSound 1							
						201.215	LampMacroSound 2						
						216.230	LampMacroSound 3						
						231.245	LampMacroSound 4						
						246.255	LampMacroSpeed						
						0.255	LampMacroSpeedfromSlowto Fast						
						59	31	26	21	16	7	ALL Macro	
												0.25	No Function
												26.48	ALL MacroScene1
												49.71	ALL MacroScene2
												72.94	ALL MacroScene3
												95.117	ALL MacroScene4
												118.140	ALL MacroScene5
												141.163	ALL MacroScene6
164.186	ALL MacroScene7												
187.209	ALL MacroScene8												
210.232	ALL MacroScene9												
233.255	ALL MacroScene10												
60	32	27	22	17	8							ALL Macro Speed	
												0.255	ALL MacroSpeedfromSlowto Fast
						61	33	28	23	18	10	ALL Macro	
												0.25	No Function
												26.54	ALL MacroSound1
												55.83	ALL MacroSound2
												84.112	ALL MacroSound3
												113.141	ALL MacroSound4
												142.170	ALL MacroSound5
												171.199	ALL MacroSound6
												200.228	ALL MacroSound7
												229.255	ALL MacroSound8

37	18	16	14	12	3		Lamp_Green2
						0.255	0-100% Lamp_Green2 dimmerfromdarkto bright
38	19	17	15	13	4		Lamp_Blue2
						0.255	0-100% Lamp_Blue2 dimmerfromdarkto bright
39	20	15	13	11	2		Lamp_Red3
						0.255	0-100% Lamp_Red3 dimmerfromdarkto bright
40	21	16	14	12	3		Lamp_Green3
						0.255	0-100% Lamp_Green3 dimmerfromdarkto bright
41	22	17	15	13	4		Lamp_Blue3
						0.255	0-100% Lamp_Blue3 dimmerfromdarkto bright
42	20	18	13	11	2		Lamp_Red4
						0.255	0-100% Lamp_Red4 dimmerfromdarkto bright
43	21	19	14	12	3		Lamp_Green4
						0.255	0-100% Lamp_Green4 dimmerfromdarkto bright
44	22	20	15	13	4		Lamp_Blue4
						0.255	0-100% Lamp_Blue4 dimmerfromdarkto bright
45	23	18	16	11	2		Lamp_Red5
						0.255	0-100% Lamp_Red5 dimmerfromdarkto bright
46	24	19	17	12	3		Lamp_Green5
						0.255	0-100% Lamp_Green5 dimmerfromdarkto bright
47	25	20	18	3	4		Lamp_Blue5
						0.255	0-100% Lamp_Blue5 dimmerfromdarkto bright
48	23	21	16	11	2		Lamp_Red6
						0.255	0-100% Lamp_Red6 dimmerfromdarkto bright
49	24	22	17	12	3		Lamp_Green6
						0.255	0-100% Lamp_Green6 dimmerfromdarkto bright
50	25	23	18	13	4		Lamp_Blue6
						0.255	0-100% Lamp_Blue6 dimmerfromdarkto bright
51	26	21	16	11	2		Lamp_Red7
						0.255	0-100% Lamp_Red7 dimmerfromdarkto bright
52	27	22	17	12	3		Lamp_Green7
						0.255	0-100% Lamp_Green7 dimmerfromdarkto bright
53	28	23	18	13	4		Lamp_Blue7
						0.255	0-100% Lamp_Blue7 dimmerfromdarkto bright
54	26	21	16	11	2		Lamp_Red8
						0.255	0-100% Lamp_Red8 dimmerfromdarkto bright
55	27	22	17	12	3		Lamp_Green8
						0.255	0-100% Lamp_Green8 dimmerfromdarkto bright
56	28	23	18	13	4		Lamp_Blue8
						0.255	0-100% Lamp_Blue8 dimmerfromdarkto bright

### 3.TECHNICAL INFORMATION

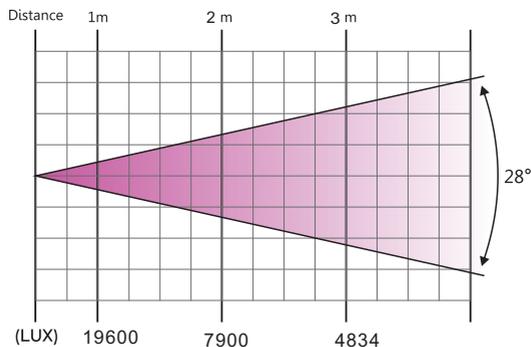
#### [Photometrics Specifications:]

- ◆ Input Voltage: AC90-260V 50-60Hz
- ◆ LED Quantities: 12x5W Warm White LED ;96 x RGB Outer SMDs ;144 x Ultra-white Inner SMDs
- ◆ Power Consumption:150W
- ◆ Control Signal: DMX 512, master-slave and sound activated or auto operation
- ◆ Control Channel:10/18/23/28/33/65 DMX channel modes
- ◆ Dimensions:1000(D)\*70(W)\*74(H)mm
- ◆ Net Weight: 3.08kg
- ◆ Gross Weight: 3.88kg

#### [Products Parameters]

- ◆ Each LED pixel controllable
- ◆ 50,000 hours life span and lower power consumption
- ◆ Stunning light output with high intensity and high color rendering index
- ◆ 0-100% smooth linear electronic dimmer
- ◆ 25T/s high speed LED shutter/strobe effect with variable speed
- ◆ DMX512, master-slave and sound activated controllable or auto operation
- ◆ Rugged, die cast aluminum alloy, compact and light weight
- ◆ Noise free natural cooling system
- ◆ Front window with tempered glass
- ◆ 2 multi-positioning brackets for floor projection or hanging projections
- ◆ Manual TILT angle adjustment
- ◆ 4-Button red LED display
- ◆ -45°C to 45°C operation temperature

### 4.PHOTOMETRICS DIAGRAM



### 5.OPERATION INSTRUCTIONS

- Pixel FX Bar 12X05W is for wash effect for on-site decoration purpose.
- Don't turn on the fixture if it's been through severe temperature difference like after transportation because it might damage the light due to the environment changes. So make sure to operate the fixture until it is in normal temperature.
- This light should be kept away from strong shaking during any transportation or movement.
- Don't pull up the light by only the head, or it might cause damages to the mechanical parts.
- Don't expose the fixture in overheat, moisture or environment with too much dust when installing it. And don't lay any power cables on the floor. Or it might cause electronic shock to the people.
- Make sure the installation place is in good safety condition before installing the fixture.
- Make sure to put the safety chain and check whether the screws are screwed properly when installing the fixture.
- Make sure the lens are in good condition. It's recommended to replace the units if there are any damages or severe scratch.
- Make sure the fixture is operated by qualified personnel who knows the fixture before using.
- Keep the original packages if any second shipment is needed.
- Don't try to change the fixtures without any instruction by the manufacturer or the appointed repairing agencies.
- It is not in warranty range if there are any malfunctions from not following the user manual to operate or any illegal operation, like shock short circuit, electronic shock, lamp broke, etc.

27							Cold 10
						0.255	0-100% Cold 10 dimmerfromdarkto bright
							Cold 11
28	13	11	9	7	5	0.255	0-100% Cold 11 dimmerfromdarkto bright
							Cold 12
29						0.255	0-100% Cold 12 dimmerfromdarkto bright
30	14	12	10	8			ColdMacro
						0.20	No Function
						21..30	ColdMacroScene 1
						31..40	ColdMacroScene 2
						41..50	ColdMacroScene 3
						51..60	ColdMacroScene 4
						61..70	ColdMacroScene 5
						71..80	ColdMacroScene 6
						81..90	ColdMacroScene 7
						91..100	ColdMacroScene 8
						101..110	ColdMacroScene 9
						111..120	ColdMacroScene 10
						121..130	ColdMacroScene 11
						131..140	ColdMacroScene 12
						141..150	ColdMacroScene 13
						151..160	ColdMacroScene 14
						161..170	ColdMacroScene 15
						171..180	ColdMacroScene 16
						181..190	ColdMacroScene 17
						191..200	ColdMacroScene 18
						201..210	ColdMacroScene 19
						211..220	ColdMacroScene 20
						221..230	ColdMacroSound 1
						231..240	ColdMacroSound 2
						241..250	ColdMacroSound 3
251..255	ColdMacroSound 4						
31	15	13	11	9			ColdMacro Speed
						0.255	ColdMacroSpeedfromSlowto Fast
32	16	14	12	10	9		LampShutter
						0.31	Shutterclosed
						32..63	shutter open
						64..95	Strobe effectslow tofast
						96..127	shutteropen
						128..159	Pulse-effectinsequencesslowtofast
						160..191	shutteropen
192..223	Randomstrobeeffectslowto fast						
224..255	shutteropen						
33	17	15	13	11	2		Lamp_Red 1
						0.255	0-100% Lamp_Red 1 dimmerfromdarkto bright
34	18	16	14	12	3		Lamp_Green1
						0.255	0-100% Lamp_Green1 dimmerfromdarkto bright
35	19	17	15	13	4		Lamp_Blue1
						0.255	0-100% Lamp_Blue1 dimmerfromdarkto bright
36	17	15	13	11	2		Lamp_Red2
						0.255	0-100% Lamp_Red2 dimmerfromdarkto bright

15	4	6	5	4		61..70	WramMacroScene 5
						71..80	WramMacroScene 6
						81..90	WramMacroScene 7
						91..100	WramMacroScene 8
						101..110	WramMacroScene 9
						111..120	WramMacroScene 10
						121..130	WramMacroScene 11
						131..140	WramMacroScene 12
						141..150	WramMacroScene 13
						151..160	WramMacroScene 14
						161..170	WramMacroScene 15
						171..180	WramMacroScene 16
						181..190	WramMacroScene 17
						191..200	WramMacroScene 18
						201..210	WramMacroScene 19
211..220	WramMacroScene 20						
16	8	7	6	5		221..230	WramMacroSound 1
						231..240	WramMacroSound 2
						241..250	WramMacroSound 3
						251..255	WramMacroSound4
							WramMacro Speed
						0.255	WramMacroSpeedfromSlowto Fast
							ColdShutter
						0.31	Shutterclosed
						32.63	shutteropen
						64.95	Strobeeffectslo to fast
						96.127	shutteropen
						128..159	Pulseeffectin sequencesslowto fast
						160..191	shutteropen
						192..223	Randomstrobeeffectslo to fast
						224..255	shutteropen
17	9	8	7	6	9		Cold 1
						0.255	0-100% Cold1 dimmerfromdarkto bright
							Cold2
						0.255	0-100% Cold2 dimmerfromdarkto bright
							Cold3
						0.255	0-100% Cold3 dimmerfromdarkto bright
							Cold4
						0.255	0-100% Cold4 dimmerfromdarkto bright
							Cold5
						0.255	0-100% Cold5 dimmerfromdarkto bright
							Cold6
						0.255	0-100% Cold6 dimmerfromdarkto bright
							Cold7
						0.255	0-100% Cold7 dimmerfromdarkto bright
							Cold8
0.255	0-100% Cold8 dimmerfromdarkto bright						
	Cold 9						
0.255	0-100% Cold9 dimmerfromdarkto bright						
18	10	9	8	7	5		Cold 1
						0.255	0-100% Cold1 dimmerfromdarkto bright
							Cold2
						0.255	0-100% Cold2 dimmerfromdarkto bright
							Cold3
						0.255	0-100% Cold3 dimmerfromdarkto bright
							Cold4
						0.255	0-100% Cold4 dimmerfromdarkto bright
							Cold5
						0.255	0-100% Cold5 dimmerfromdarkto bright
							Cold6
						0.255	0-100% Cold6 dimmerfromdarkto bright
							Cold7
						0.255	0-100% Cold7 dimmerfromdarkto bright
							Cold8
0.255	0-100% Cold8 dimmerfromdarkto bright						
	Cold 9						
0.255	0-100% Cold9 dimmerfromdarkto bright						
19	11	10	9	8	7		Cold 1
						0.255	0-100% Cold1 dimmerfromdarkto bright
							Cold2
						0.255	0-100% Cold2 dimmerfromdarkto bright
							Cold3
						0.255	0-100% Cold3 dimmerfromdarkto bright
							Cold4
						0.255	0-100% Cold4 dimmerfromdarkto bright
							Cold5
						0.255	0-100% Cold5 dimmerfromdarkto bright
							Cold6
						0.255	0-100% Cold6 dimmerfromdarkto bright
							Cold7
						0.255	0-100% Cold7 dimmerfromdarkto bright
							Cold8
0.255	0-100% Cold8 dimmerfromdarkto bright						
	Cold 9						
0.255	0-100% Cold9 dimmerfromdarkto bright						
20	12	11	10	9	8		Cold 1
						0.255	0-100% Cold1 dimmerfromdarkto bright
							Cold2
						0.255	0-100% Cold2 dimmerfromdarkto bright
							Cold3
						0.255	0-100% Cold3 dimmerfromdarkto bright
							Cold4
						0.255	0-100% Cold4 dimmerfromdarkto bright
							Cold5
						0.255	0-100% Cold5 dimmerfromdarkto bright
							Cold6
						0.255	0-100% Cold6 dimmerfromdarkto bright
							Cold7
						0.255	0-100% Cold7 dimmerfromdarkto bright
							Cold8
0.255	0-100% Cold8 dimmerfromdarkto bright						
	Cold 9						
0.255	0-100% Cold9 dimmerfromdarkto bright						
21	13	12	11	10	9		Cold 1
						0.255	0-100% Cold1 dimmerfromdarkto bright
							Cold2
						0.255	0-100% Cold2 dimmerfromdarkto bright
							Cold3
						0.255	0-100% Cold3 dimmerfromdarkto bright
							Cold4
						0.255	0-100% Cold4 dimmerfromdarkto bright
							Cold5
						0.255	0-100% Cold5 dimmerfromdarkto bright
							Cold6
						0.255	0-100% Cold6 dimmerfromdarkto bright
							Cold7
						0.255	0-100% Cold7 dimmerfromdarkto bright
							Cold8
0.255	0-100% Cold8 dimmerfromdarkto bright						
	Cold 9						
0.255	0-100% Cold9 dimmerfromdarkto bright						

## 6.INSTALLATIONS

### Cautions:

**For added protection mount the fixtures in areas outside walking paths, seating areas, or in areas where the fixture might be reached by unauthorized personnel.**

**Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 times the device's weight.**

**Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.**

**Never stand directly below the device when mounting, removing, or servicing the fixture.**

**from a ceiling, or set on a flat level surface (see illustration below). Be sure this fixture is kept at least 0.5m (1.5 ft) away from any flammable materials (decoration etc.).**

**Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.**

### Mounting points:

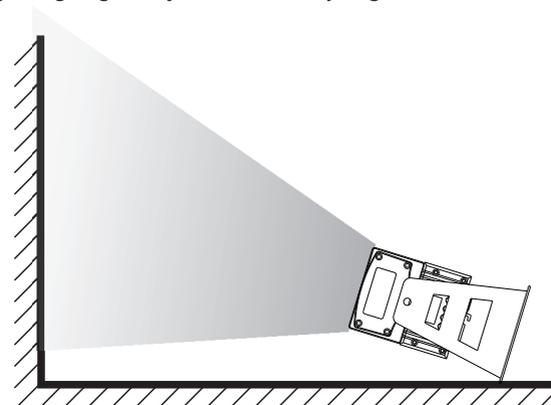
**Overhead mounting requires extensive experience, including amongst others calculating working load limits, a fine knowledge of the installation material being used, and periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.**

**Be sure to complete all rigging and installation procedures before connecting the main power cord to the appropriate wall outlet.**

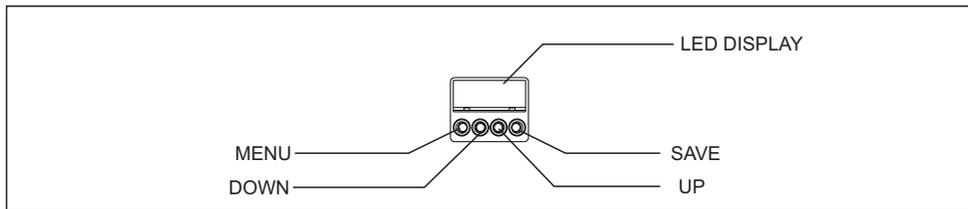
### Clamp Mounting:

**The Pixel FX Bar 12X05W provides a unique mounting bracket assembly that integrates the bottom of the base, and the safety cable rigging point in one unit (see the illustration below). When mounting this fixture to truss be sure to secure an appropriately rated clamp to the included omega bracket using a M10 screw fitted through the center hole of the "Hanging Kit". As an added safety measure be sure to attached at least one properly rated safety cable to the fixture using on of the safety cable rigging point integrated in the base assembly .**

**Wall or architecture projections:** You could just install the BATTERY PIXARC 1505 near below the wall, projecting angles adjustable with any angles suitable for on-site requirements.



## 7.MENU OPERATIONS



MENU				
MODE	ADDR	VALU	A001~AXXX (AXXX)	
		SLAV		
	AUTO	IP1~10	ALON/(AU-A)	SP_1~ SP_5
			MAST/(AU-M)	SP_1~ SP_5
SOUN	IP1~8	ALON (SO-A)		
		MAST (SO-M)		
SET	MIC	M-XX		
	LODA	ON/OFF		
	VER	V-2.0		
	DINV	ON/OFF	( DisplayInverse)	
	LINV	ON/OFF	( LEDInverse)	
	SSET		WD	
DMX	MOD1	65CH		
	MOD2	33CH		
	MOD3	28CH		
	MOD4	23CH		
	MOD5	18CH		
	MOD6	10CH		
REST	ON/OFF			
TEST	CXXX	000-255		
TEMP	TXXX			

## 8.DMX PROTOCOL

Mode/Channel						Value	Function
CH65	CH33	CH28	CH23	CH18	CH10		
1	1	1	1	1	1	0.255	Dimmer
							Dimmer0%..100%
							WramShutter
						0.31	Shutterclosed
						32.63	shutteropen
						64.95	Strobeeffect slowto fast
						96.127	shutteropen
						128.159	Pulseeffectin sequences slow to fast
						160.191	shutteropen
						192.223	Randomstrobeeffects slowto fast
						224.255	shutteropen
3							Wram1
						0.255	0-100% Wram1 dimmerfromdarkto bright
4	3						Wram2
						0.255	0-100% Wram2 dimmerfromdarkto bright
5		3					Wram3
						0.255	0-100% Wram3 dimmerfromdarkto bright
6			3				Wram4
						0.255	0-100% Wram4 dimmerfromdarkto bright
7	4						Wram5
						0.255	0-100% Wram5 dimmerfromdarkto bright
8							Wram6
						0.255	0-100% Wram6 dimmerfromdarkto bright
9			4		3		Wram7
						0.255	0-100% Wram7 dimmerfromdarkto bright
10	5						Wram8
						0.255	0-100% Wram8 dimmerfromdarkto bright
11							Wram9
						0.255	0-100% Wram9 dimmerfromdarkto bright
12			4				Wram10
						0.255	0-100% Wram10 dimmerfromdarkto bright
13	6						Wram11
						0.255	0-100% Wram11 dimmerfromdarkto bright
14							Wram12
						0.255	0-100% Wram12 dimmerfromdarkto bright
							WramMacro
						0.20	NoFunction
						21.30	WramMacroScene1
						31.40	WramMacroScene2
						41.50	WramMacroScene3
						51.60	WramMacroScene4
15	7	6	5	4			