
USER MANUAL

Pixel Bar

Model No. PIXBAR HEX12



V1.0

Caution: For safety, please read this user manual carefully before initially use!

Safety Instructions:

- Do not open this device, there is no user-serviceable parts inside.
- DO not look at the light source when the device is on.
- CAUTION: This unit's housing may be hot when lights are operating.
- Do not leave any flammable material within 50 cm of this unit while operating or connected to power.
- Use a safety rope when mounting this device overhead.
- Do not operate this device outdoors or where dust, excessive heat, water, or humidity may affect it.
- Do not operate this device if the housing, lenses, or cables appear damaged.
- Do not connect this device to a dimmer or rheostat.
- ONLY connect this device to a grounded and protected circuit.
- ONLY use the hanging bracket to carry this device.

In case of a serious operating problem, stop using immediately.

The maximum ambient temperature is 104° F (40° C). Do not operate this device at higher temperatures.

Power Input & Power Linking

This device has an auto-switching power supply work with input voltage range of 100~240 VAC, 50/60 Hz
Link up to the maximum 5 devices at 120 VAC or 12 at 230 VAC. DO NOT exceed this number.

Product Installation

This device can be mounted in many orientations provided each individual device is secured by the use of correct mounting bracket. Use a safety chain when mounting this device overhead.

Fuse Replacement

If the fine-wire fuse of the device fuses, only replace the fuse by a fuse of same type and rating.
Before replacing the fuse, unplug mains lead.

Procedure:

- Step 1: Unscrew the fuse holder on the rear panel with a fitting screwdriver from the housing (anticlockwise).
- Step 2: Remove the old fuse from the fuse holder.
- Step 3: Install the new fuse in the fuse holder.
- Step 4: Replace the fuse holder in the housing and fix it.

CONTROL BOARD OPERATION

Press the Menu until one of the following displayed:

Display	Function
1.DMX Address	To set DMX address
2.DMX Channel	To set DMX channel modes: CH03,CH04, CH06, CH08, CH12, CH24, CH72,CH74
3.Dimmer Curve	To set dimmer speeds: <01> , <02>, <03>, <04>
4. Static Color	To set static colors: Static Color R, G, B, W, A,U,GB, RG,RB, RW, GW, BW,WA,RA,GA,BA.....
5.Manual Color	To set user mode intensity of R, G, B ,W,A,UV separately for color mixing and strobe rate (S000-S100).
6.Manual WCT	To set user mode intensity of 11 white color temperature separately .
7.Auto Program	To set built-in automatic programs: Pr 01 ~ Pr 19 and speeds <Speed 000 ~ Speed100>
8.Sound Mode	To set sound active mode and the sensitivity (S000 ~ S100)
9.Master/Slave	To set Master/Slave modes
10.Factory Set	To recover the factory default setting

Use Up and Down button to select your desired operation, then press Enter to confirm.

DMX Addressing:

After select the "DMX Address" and press Enter, then use Up and Down to set the desired DMX address (001~512), press "Enter" again to confirm.

DMX Modes (Eight DMX modes option)

After select the "2.DMX Channel" and press Enter, then use Up and Down to set the desired DMX mode CH03,CH04, CH06, CH08, CH12, CH24, CH72, CH74 press "Enter" again to confirm.

Dimming Mode:

Select "3.Dimmer Curve" , press ENTER, there are 4 dimming modes for option, select the desired dimming code , then press Enter to confirm your selection.

Setting Static Colors

Entered "4. Static Color" mode, you can select the desired solid color via the UP or DOWN buttons and confirm by Enter

Mode:	Value:	Function:
Static Color	Static color <R>	Red
	Static color <G>	Green
	Static color 	Blue
	Static color <W>	White
	Static color <A>	Amber
	Static color <U>	UV
	Static color <GB>	Green+Blue
	Static color <RG>	Red+Green
	Static color <RB>	Red+Blue
	Static color <RW>	Red+White
	Static color <GW>	Green+White
	Static color <BW>	Blue+White
	Static color <WA>	White+Amber
	Static color <RA>	Red+Amber
	Static color <GA>	Green+Amber
	Static color <BA>	Blue+Amber
	Static color <RGB>	Red+Green+Blue
	Static color <RGW>	Red+Green+White
	Static color <GBW>	Green+Blue+White
	Static color <GBA>	Green+Blue+Amber
	Static color <BWA>	Blue+White+Amber
	Static color <RGA>	Red+Green+Amber
	Static color <GWA>	Green+White+Amber
	Static color <RWA>	Red+White+Amber
Static color <RGBA>	Red+Green+Blue+Amber	
Static color <GBWA>	Green+Blue+White+Amber	
Static color <RGBW>	Red+Green+Blue+White	
Static color <RBWA>	Red+Blue+White+Amber	

Static color <RGWA>	Red+Green+White+Amber
Static color <RGBWA>	Red+Green+Blue+White+Amber
Static color <RU>	Red + Green
Static color <GU>	Red + Green + Blue
Static color <AU>	Red + White
Static color <RAU>	Green + White
Static color <RGBWAU>	Red + Green + Blue + White

Manual Color Mode

This mode allows the user set intensity of R, G, B, W ,A,UV separately to get endless color mixing from the control board without DMX controller to set the device to run strobe desired.


Entered "5.Manual Color" mode, use <UP> and <DOWN> to select the " R/G/B/W/A/U " for Colors intensity or "S" for strobe speed.

Use <UP> and <DOWN> to set the colors intensity values " 0 ~ 255" or Strobe speed values "000 ~ 100" (Freeze, Slow ~ Fast), then press "Enter" to confirm.

Manual Color temperature

Enter "Manual WCT" mode,select various color temperature with <WCT01>~<WCT11>,

use <UP> and <DOWN> to select intensity for every single color temperatue with <Dim:001>~<Dim:11>

W01	Color Temperature 1	WARM  COOL
W02	Color Temperature 2	
W03	Color Temperature 3	
W04	Color Temperature 4	
W05	Color Temperature 5	
W06	Color Temperature 6	
W07	Color Temperature 7	
W08	Color Temperature 8	
W09	Color Temperature 9	
W10	Color Temperature 10	
W11	Color Temperature 11	

Automatic Mode

This fixture has a built-in automatic program.

Entered "7.Auto Program" mode, use <UP> and <DOWN> to select the built-in programs "Pr 01 ~ Pr 19" then press the "Enter" to confirm "Enter" to confirm.

Use <UP> and <DOWN> to select the operating speed of the program(Value:S 000 ~ S100, Freeze,Slow ~ Fast), press "Enter" to confirm.

Mode:	Value:	Function:
Auto Program	PR 01	R G B W A UV colors switching
	PR 02	36 colors switching
	PR 03	R G B W A UV colors fading(slow in slow out)
	PR 04	36 colors Fading(slow in slow out)
	PR 05	R G B W A UV colors fading(slow in fast out)
	PR 06	36 colors Fading(slow in fast out)
	PR 07	R G B W A UV colors fading(fast in slow out)
	PR 08	36 colors Fading(fast in slow out)
	PR 09	Color Macros
	PR 10	Auto Chasing 1
	PR 11	Auto Chasing 2
	PR 12	Auto Chasing 3
	PR 13	Auto Chasing 4
	PR 14	Auto Chasing 5
	PR 15	Auto Chasing 6
	PR 16	Auto Chasing 7
	PR 17	Auto Chasing 8
	PR 18	Auto Chasing 9
	PR 19	Comprehensive for linkable chasing

Special Chaser Mode (only available for the internal programs Pr 19)

This mode enables several slave units after the other so that chaser effects can be operated over several devices.

You can build up to 255 different slave groups.

as an explanation, we give an example with 10 different slave groups.

Settings for the master device

1. Set the DMX address to 010 (number of slave groups), press Enter to confirm.
2. Set Auto Program to Pr 19, press ENTER to confirm.

Setting for the slave devices

1. Set the slaves devices to Slave mode, press Enter, "Slave MODE" displayed
2. Set the slave devices DMX address to the desired slave group (here 001 - 010) via the UP or DOWN buttons.

Press ENTER to confirm.

See below chart:

	Master Unit	Unit running same step with Master unit	Unit running same step with Master unit	...	Unit running NEX step 1 Chasing	Unit running NEX step 1 Chasing	Unit running NEX step 1 Chasing	...	Unit running NEX step 2 Chasing	Unit running NEX step 2 Chasing	Unit running NEX step 2 Chasing	Unit running NEX step 9 Chasing	Unit running NEX step 9 Chasing	Unit running NEX step 9 Chasing	...
SLAV	010	001	001	001	002	002	002	002	003	003	003	003	...	010	010	010	010
Adressing:																	
	Slave Group 1			Slave Group 2			Slave Group 3			...	Slave Group 10						

Sound Mode

Entered "8.Sound mode", use <UP> and <DOWN> to set the sensitivity Sen 000 ~ Sen 100, press Ent

Master/Slave Operation

- 1) Set the master fixture to one of the standalone operating modes: automatic, sound, static color or manual color modes
- 2) The fixture is set Slave in default,if you want to set it Master,entered "09.Master/Slave" mode, set to <M>, press Enter. "Master " will display.

Factory Set

Select Factory Set , Enter,Select YES , recovering the factory default setting .

DMX VALUES:

3 Channels Mode:

CHANNEL	VALUE	FUNCTION
1	000-255	Red: 0% ~ 100%
2	000-255	Green: 0% ~ 100%
3	000-255	Blue: 0% ~ 100%

4 Channels Mode:

CHANNEL	VALUE	FUNCTION
1	000-255	Red: 0% ~ 100%
2	000-255	Green: 0% ~ 100%
3	000-255	Blue: 0% ~ 100%
4	000-255	White: 0% ~ 100%

6 Channels Mode:

CHANNEL	VALUE	FUNCTION
1	000-255	Red: 0% ~ 100%
2	000-255	Green: 0% ~ 100%
3	000-255	Blue: 0% ~ 100%
4	000-255	White: 0% ~ 100%
5	000-255	Amber: 0% ~ 100%
6	000-255	UV 0%~100%


8 Channels Mode:

CHANNEL	VALUE	FUNCTION
1	000-255	Red 0% ~ 100%
2	000-255	Green 0% ~ 100%
3	000-255	Blue 0% ~ 100%
4	000-255	White 0% ~ 100%
5	000-255	Amber 0%~100%
6	000-255	UV 0%~100%
7	000-255	Master DIMMER 0% ~ 100%
8	000-009	No function
	010-255	Strobe : Slow ~ Fast (1~30Hz)

12 Channels Mode:

CHANNEL	VALUE	FUNCTION
1	000-255	Red 0% ~ 100%
2	000-255	Green 0% ~ 100%
3	000-255	Blue 0% ~ 100%
4	000-255	White 0% ~ 100%
5	000-255	Amber 0%~100%
6	000-255	UV 0%~100%
7	000-255	Master DIMMER 0% ~ 100%
8	000-009	Strobe OFF
	010-255	Strobe (slow-fast 1-30Hz)
9	000-009	No Function
	010-031	Color Temperature 1
	032-054	Color Temperature 2
	055-077	Color Temperature 3
	078-100	Color Temperature 4
	101-123	Color Temperature 5
	124-146	Color Temperature 6
	147-169	Color Temperature 7
	170-192	Color Temperature 8
	193-215	Color Temperature 9
	216-238	Color Temperature 10
239-255	Color Temperature 11	
	000-009	No Function
	010-021	R G B W A UV colors switching

WARM

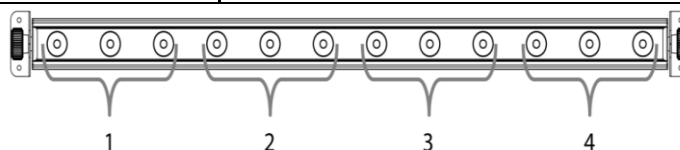


COOL

10	022-034	36 colors switching
	035-047	R G B W A UV colors fading(slow in slow out)
	048-060	36 colors Fading(slow in slow out)
	061-073	R G B W A UV colors fading(slow in fast out)
	074-086	36 colors Fading(slow in fast out)
	087-099	R G B W A UV colors fading(fast in slow out)
	100-112	36 colors Fading(fast in slow out)
	113-125	Color Macros
	126-138	Auto Chasing 1 (Auto Pr10)
	139-151	Auto Chasing 2 (Auto Pr11)
	152-164	Auto Chasing 3 (Auto Pr12)
	165-177	Auto Chasing 4 (Auto Pr13)
	178-190	Auto Chasing 5 (Auto Pr14)
	191-203	Auto Chasing 6 (Auto Pr15)
	204-216	Auto Chasing 7 (Auto Pr16)
	217-229	Auto Chasing 8 (Auto Pr17)
	230-242	Auto Chasing 9(Loop PR10 ~ PR 17)
243-255	Sound Active	
11	000-255	Speed of Auto Programs (Slow ~ Fast)
12	000-009	Use the dimmer of control board setting
	10-70	Curved dimming 1
	71-132	Curved dimming 2
	133-194	Curved dimming 3
	195-255	Curved dimming 4

24 Channels Mode:

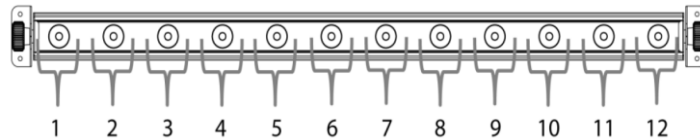
CHANNEL	VALUE	FUNCTION	SECTION
1	000-255	Red 0% ~ 100%	1
2	000-255	Green 0% ~ 100%	
3	000-255	Blue 0% ~ 100%	
4	000-255	White 0% ~ 100%	
5	000-255	Amber 0%~100%	
6	000-255	UV 0%~100%	
7	000-255	Red 0% ~ 100%	2
8	000-255	Green 0% ~ 100%	
9	000-255	Blue 0% ~ 100%	
10	000-255	White 0% ~ 100%	
11	000-255	Amber 0%~100%	
12	000-255	UV 0%~100%	
13	000-255	Red 0% ~ 100%	3
14	000-255	Green 0% ~ 100%	
15	000-255	Blue 0% ~ 100%	
16	000-255	White 0% ~ 100%	
17	000-255	Amber 0%~100%	
18	000-255	UV 0%~100%	
19	000-255	Red 0% ~ 100%	4
20	000-255	Green 0% ~ 100%	
21	000-255	Blue 0% ~ 100%	
22	000-255	White 0% ~ 100%	
23	000-255	Amber 0%~100%	
24	000-255	UV 0%~100%	



72 Channels Mode:

CHANNEL	VALUE	FUNCTION	SECTION
1	000-255	Red 0% ~ 100%	1
2	000-255	Green 0% ~ 100%	
3	000-255	Blue 0% ~ 100%	
4	000-255	White 0% ~ 100%	
5	000-255	Amber 0%~100%	
6	000-255	UV 0%~100%	
7	000-255	Red 0% ~ 100%	2
8	000-255	Green 0% ~ 100%	
9	000-255	Blue 0% ~ 100%	
10	000-255	White 0% ~ 100%	
11	000-255	Amber 0%~100%	
12	000-255	UV 0%~100%	
13	000-255	Red 0% ~ 100%	3
14	000-255	Green 0% ~ 100%	
15	000-255	Blue 0% ~ 100%	
16	000-255	White 0% ~ 100%	
17	000-255	Amber 0%~100%	
18	000-255	UV 0%~100%	
19	000-255	Red 0% ~ 100%	4
20	000-255	Green 0% ~ 100%	
21	000-255	Blue 0% ~ 100%	
22	000-255	White 0% ~ 100%	
23	000-255	Amber 0%~100%	
24	000-255	UV 0%~100%	
25	000-255	Red 0% ~ 100%	5
26	000-255	Green 0% ~ 100%	
27	000-255	Blue 0% ~ 100%	
28	000-255	White 0% ~ 100%	
29	000-255	Amber 0%~100%	
30	000-255	UV 0%~100%	
31	000-255	Red 0% ~ 100%	6
32	000-255	Green 0% ~ 100%	
33	000-255	Blue 0% ~ 100%	
34	000-255	White 0% ~ 100%	
35	000-255	Amber 0%~100%	
36	000-255	UV 0%~100%	
37	000-255	Red 0% ~ 100%	7
38	000-255	Green 0% ~ 100%	
39	000-255	Blue 0% ~ 100%	
40	000-255	White 0% ~ 100%	
41	000-255	Amber 0%~100%	
42	000-255	UV 0%~100%	
43	000-255	Red 0% ~ 100%	8
44	000-255	Green 0% ~ 100%	
45	000-255	Blue 0% ~ 100%	
46	000-255	White 0% ~ 100%	
47	000-255	Amber 0%~100%	
48	000-255	UV 0%~100%	
49	000-255	Red 0% ~ 100%	9
50	000-255	Green 0% ~ 100%	
51	000-255	Blue 0% ~ 100%	
52	000-255	White 0% ~ 100%	
53	000-255	Amber 0%~100%	
54	000-255	UV 0%~100%	
55	000-255	Red 0% ~ 100%	10
56	000-255	Green 0% ~ 100%	
57	000-255	Blue 0% ~ 100%	
58	000-255	White 0% ~ 100%	
59	000-255	Amber 0%~100%	

60	000-255	UV 0%~100%	11
61	000-255	Red 0% ~ 100%	
62	000-255	Green 0% ~ 100%	
63	000-255	Blue 0% ~ 100%	
64	000-255	White 0% ~ 100%	
65	000-255	Amber 0%~100%	12
66	000-255	UV 0%~100%	
67	000-255	Red 0% ~ 100%	
68	000-255	Green 0% ~ 100%	
69	000-255	Blue 0% ~ 100%	
70	000-255	White 0% ~ 100%	
71	000-255	Amber 0%~100%	
72	000-255	UV 0%~100%	



74 Channels Mode:

CHANNEL	VALUE	FUNCTION	SECTION
1	000-255	Red 0% ~ 100%	1
2	000-255	Green 0% ~ 100%	
3	000-255	Blue 0% ~ 100%	
4	000-255	White 0% ~ 100%	
5	000-255	Amber 0%~100%	
6	000-255	UV 0%~100%	2
7	000-255	Red 0% ~ 100%	
8	000-255	Green 0% ~ 100%	
9	000-255	Blue 0% ~ 100%	
10	000-255	White 0% ~ 100%	
11	000-255	Amber 0%~100%	
12	000-255	UV 0%~100%	3
13	000-255	Red 0% ~ 100%	
14	000-255	Green 0% ~ 100%	
15	000-255	Blue 0% ~ 100%	
16	000-255	White 0% ~ 100%	
17	000-255	Amber 0%~100%	
18	000-255	UV 0%~100%	4
19	000-255	Red 0% ~ 100%	
20	000-255	Green 0% ~ 100%	
21	000-255	Blue 0% ~ 100%	
22	000-255	White 0% ~ 100%	
23	000-255	Amber 0%~100%	
24	000-255	UV 0%~100%	5
25	000-255	Red 0% ~ 100%	
26	000-255	Green 0% ~ 100%	
27	000-255	Blue 0% ~ 100%	
28	000-255	White 0% ~ 100%	
29	000-255	Amber 0%~100%	
30	000-255	UV 0%~100%	

31	000-255	Red 0% ~ 100%	6
32	000-255	Green 0% ~ 100%	
33	000-255	Blue 0% ~ 100%	
34	000-255	White 0% ~ 100%	
35	000-255	Amber 0%~100%	
36	000-255	UV 0%~100%	7
37	000-255	Red 0% ~ 100%	
38	000-255	Green 0% ~ 100%	
39	000-255	Blue 0% ~ 100%	
40	000-255	White 0% ~ 100%	
41	000-255	Amber 0%~100%	8
42	000-255	UV 0%~100%	
43	000-255	Red 0% ~ 100%	
44	000-255	Green 0% ~ 100%	
45	000-255	Blue 0% ~ 100%	
46	000-255	White 0% ~ 100%	9
47	000-255	Amber 0%~100%	
48	000-255	UV 0%~100%	
49	000-255	Red 0% ~ 100%	
50	000-255	Green 0% ~ 100%	
51	000-255	Blue 0% ~ 100%	10
52	000-255	White 0% ~ 100%	
53	000-255	Amber 0%~100%	
54	000-255	UV 0%~100%	
55	000-255	Red 0% ~ 100%	
56	000-255	Green 0% ~ 100%	11
57	000-255	Blue 0% ~ 100%	
58	000-255	White 0% ~ 100%	
59	000-255	Amber 0%~100%	
60	000-255	UV 0%~100%	
61	000-255	Red 0% ~ 100%	12
62	000-255	Green 0% ~ 100%	
63	000-255	Blue 0% ~ 100%	
64	000-255	White 0% ~ 100%	
65	000-255	Amber 0%~100%	
66	000-255	UV 0%~100%	
67	000-255	Red 0% ~ 100%	
68	000-255	Green 0% ~ 100%	
69	000-255	Blue 0% ~ 100%	
70	000-255	White 0% ~ 100%	
71	000-255	Amber 0%~100%	
72	000-255	UV 0%~100%	
73	000-255	Master DIMMER 0% ~ 100%	
74	000-009	No function	
	010-255	Strobe : Slow ~ Fast (1~30Hz)	

TECHNICAL SPECIFICATIONS

PIXBAR HEX 12

Power supply: 100~240 V AC, 50/60 Hz ~

Power consumption:150 W

DMX control channels: 3 / 4 / 6 / 8 / 12 / 24 / 72 / 74 chs

DMX512 connection: 3-pin XLR

Sound-control: via built-in microphone

LED type: 12W RGBWA+UV 6in1

Number of LEDs: 12

Beam angle: 25° /30°

Dimensions (LxWxH): 1050 x 80 x 165 mm

Weight:4.3 kg

Maximum ambient temperature Ta: 40°C

Maximum housing temperature TC (steady state): 80° C

Min. distance from flammable surfaces: 0.5 m

Min. distance to lighted object: 0.1 m

Fuse: T 2 A, 250 V