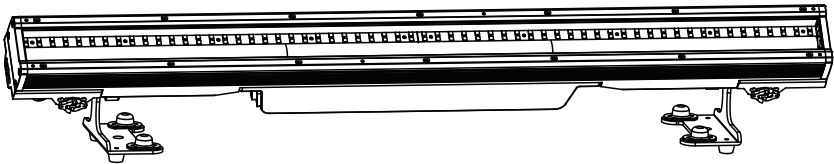


SHOWPRO

Pul⚡e Bar

SHWSTR100

RGBW - IP65



User Manual

Packaging: Thank you for purchasing the Pulze Bar. Before operating, please check the fixture to ensure that no damage has occurred during transit. If damage is found, or the light operates abnormally, please contact the distributor for further instructions.

Overview: The Pulze Bar has three operating modes:

- DMX Mode
- Auto Mode
- Master/Slave Mode

There are five DMX modes: 3, 10, 22, 36, 50 and 92 channel.

In addition if you daisy chain fixtures together in DMX mode and set one in Auto Mode and the others in Master/Slave Mode, the fixtures in Master/Slave Mode will follow the fixture in Auto Mode

SAFETY AND HANDLING

Before operating the Pulze Bar, read the manual carefully. Always make sure to include the manual if you pass/rent/sell the unit to another user. This manual cannot address all possible dangers and working environments. Please use your own caution when operating. This product is for professional use only, not household use.



- Do not operate this unit in areas with high ambient temperatures. It will cause abnormal function or damage.
- Always use a suitable safety wire when rigging the light overhead.
- Connect the safety wire to the intended safety mount.
- Always follow local safety requirements.



- Only qualified technicians may repair this product.
- Do not open the product housing.
- Do not supply power if the fixture is damaged.



- Do not look directly into the light source.
- Looking into the light source can cause damage to your eyes.
- Do not look at the light source with a magnifying glass or any other optical instrument that may concentrate the light output.



- The housing of the fixture can become hot. It can reach up to 70°C during normal operation.
- Ensure that accidental physical contact cannot occur with the fixture.
- Only install in well ventilated locations.
- Do not cover the fixture.



- At end of life, dispose the unit responsibly in accordance to local regulations or procedures.
- The packaging is recyclable.

Troubleshooting

The fixture and display turns on, but the LED engine does not emit.

The fixture could be set to BLACKOUT mode or set to DMX Hold and isn't receiving a valid signal. Verify if receiving DMX. Perform a Factory Reset.

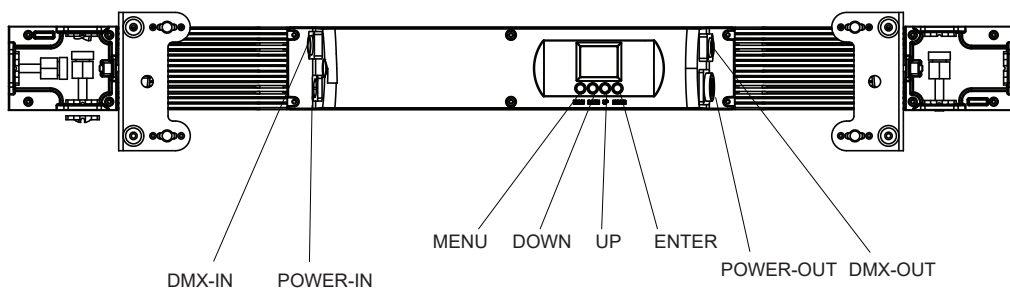
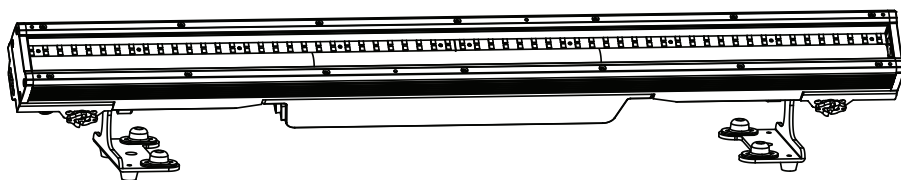
The fixture is not working correctly- it does not output the colour or effect it should be.

Check that the DMX address and mode is set correctly. Ensure that the fixture is receiving DMX. Otherwise perform a Factory Reset.

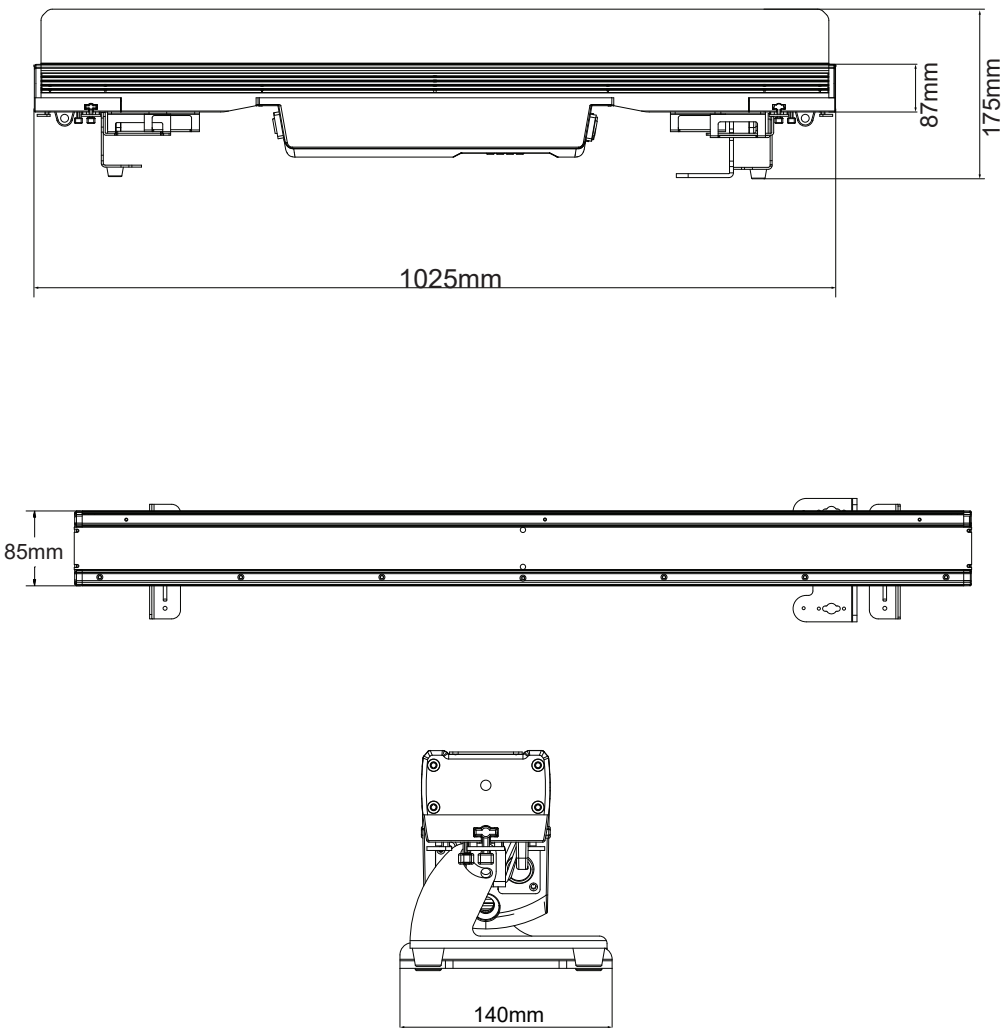
The fixture still cannot be controlled, or not as expected after Factory Reset.

Run DMX directly to the fixture, not part of a daisy chain. Power cycle the fixture by removing the power. If the issue still occurs, contact distributor.

Product Overview



Product Overview



Features

OPTICS

- Light Source: 360 x White LED + 384 x 1W LED
- Beam Angle: 52°
- DMX Channel: 3, 10, 22, 36,50 & 92 CH
- Temperature: -20°C ~ 40°C

ELECTRICAL

- Power consumption: 325W
- Voltage: AC 110 - 240V,
50/60Hz

EFFECT

- 4 dimmer curves
- Built-in Effect: Colour mixing, colour chasing, strobing and fade.

CONTROL

- Fan controlled by PWM waves
- Run Mode: Static Mode /Master & Slave /Auto Mode
- Protocol: DMX 512, RDM

SOFTWARE

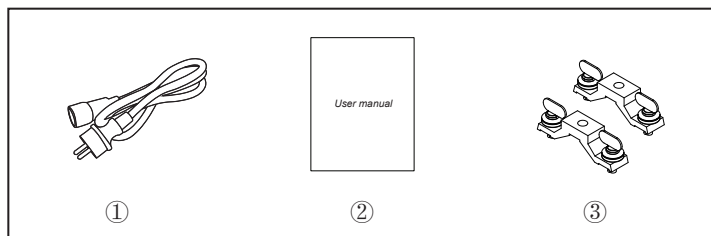
- Smart temperature control
- Run time record

PHYSICAL

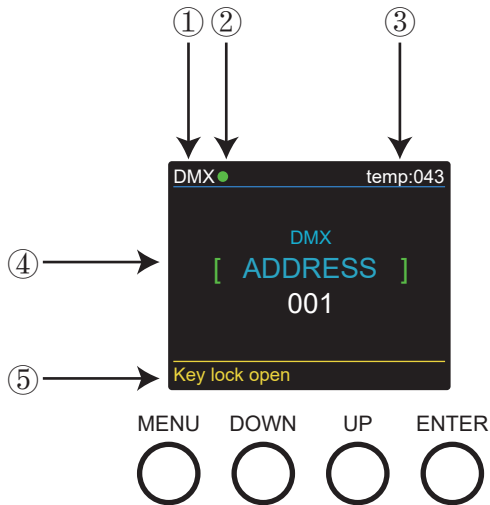
- Material: Aluminum body
- TFT Display with four buttons
- Dimensions: 1025 x 140 x 175mm
- N.W: 9.5 KG
- G.W: 11.6 KG
- IP Rating: IP65

Accessory

- ① Power cable x 1
- ② User manual x 1
- ③ Fast lock x 2

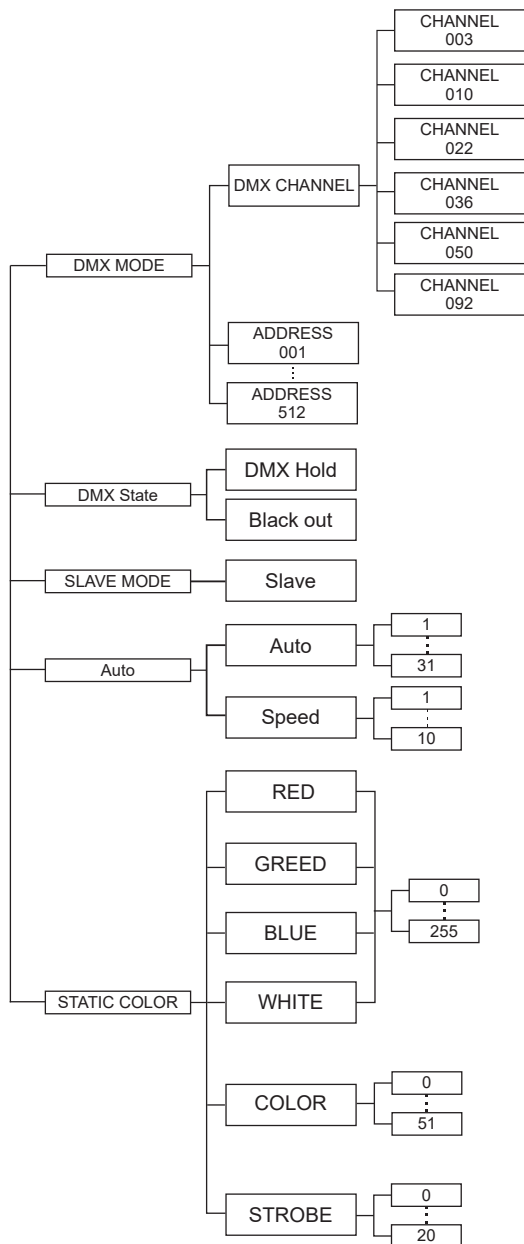


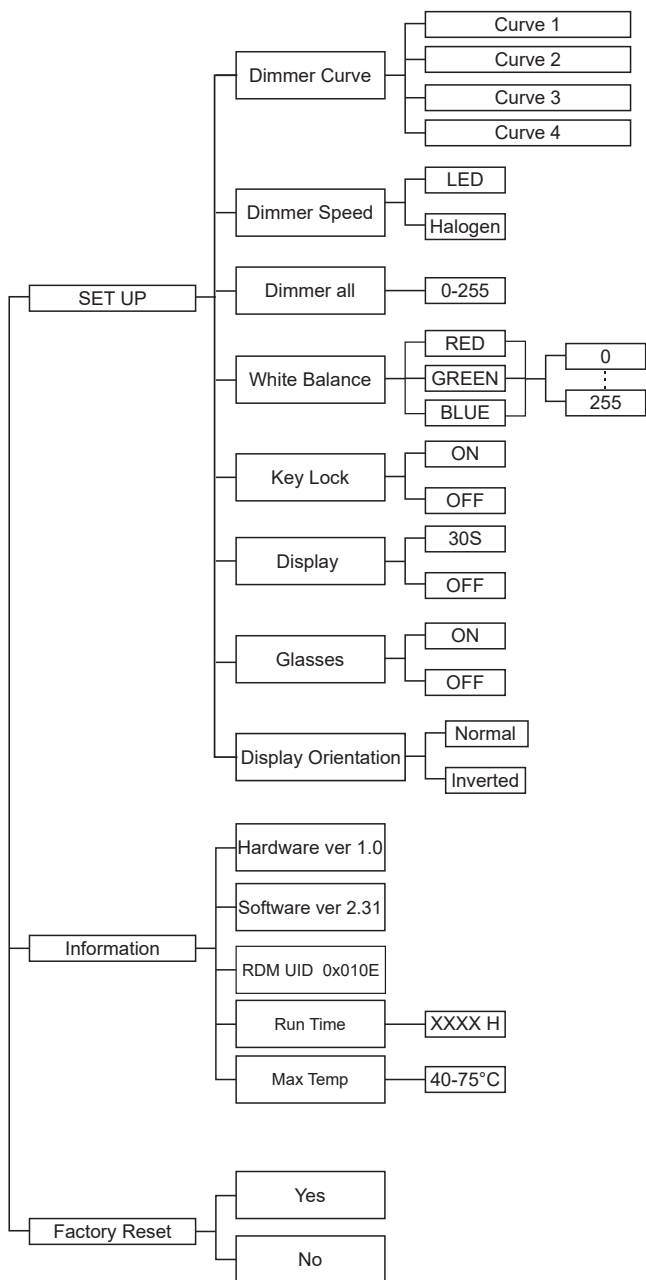
Display Introduction



1. Indicates if you are in DMX mode or in SLAVE mode. Will display either DMX or SLAVE.
2. Displays the condition of signal being transmitted. Green is connected. Red is disconnected.
3. The working temperature of the fixture. If the temperature exceeds the max limit, the readout will change from white to yellow.
4. The current menu selection
5. Status of the key lock

Menu Structure





DMX Chart

3 CHANNELS		
Channel	Value	Function
1	000 - 255	Flash Intensity
2	000 - 255	Flash Duration
3	000 - 255	Flash Rate

10 CHANNELS		
Channel	Value	Function
1	000 - 255	Master Dimmer
2	000 - 255	Flash Intensity
3	000 - 255	Flash Duration
4	000 - 255	Flash Rate
5	000 - 255	Color Marco 0-51
6	000 - 255	Frost
7	000 - 255	Red
8	000 - 255	Green
9	000 - 255	Blue
10	000 - 255	White

22 CHANNELS		
Channel	Value	Function
1	000 - 255	Master Dimmer
2	000 - 255	Flash Intensity
3	000 - 255	Flash Duration
4	000 - 255	Flash Rate
5	000 - 255	Color Marco 0-51
6	000 - 255	Frost
7	000 - 255	Red 1
8	000 - 255	Green1
9	000 - 255	Blue1
10	000 - 255	Red 2
11	000 - 255	Green2
12	000 - 255	Blue2
13	000 - 255	White Section 1-6
14	000 - 255	White Section 7-12
15	000 - 255	Red 3
16	000 - 255	Green3
17	000 - 255	Blue3
18	000 - 255	Red 4
19	000 - 255	Green4
20	000 - 255	Blue4
21	000 - 255	Auto 1-15
22	000 - 255	Auto Speed

36 CHANNELS		
Channel	Value	Function
1	000 - 255	Master Dimmer
2	000 - 255	Flash Intensity
3	000 - 255	Flash Duration
4	000 - 255	Flash Rate
5	000 - 255	Color Marco 0-51
6	000 - 255	Frost
7	000 - 255	Red 1
8	000 - 255	Green1
9	000 - 255	Blue1
10	000 - 255	Red 2
11	000 - 255	Green2
12	000 - 255	Blue2
13	000 - 255	Red 3
14	000 - 255	Green3
15	000 - 255	Blue3
16	000 - 255	Red 4
17	000 - 255	Green4
18	000 - 255	Blue4
19	000 - 255	White Section 1-3
20	000 - 255	White Section 4-6
21	000 - 255	White Section 7-9
22	000 - 255	White Section 10-12
23	000 - 255	Red 5
24	000 - 255	Green5
25	000 - 255	Blue5
26	000 - 255	Red 6

27	000 - 255	Green6
28	000 - 255	Blue6
29	000 - 255	Red 7
30	000 - 255	Green7
31	000 - 255	Blue7
32	000 - 255	Red 8
33	000 - 255	Green8
34	000 - 255	Blue8
35	000 - 255	Auto 1-31
36	000 - 255	Auto Speed

50 CHANNELS		
Channel	Value	Function
1	000 - 255	Master Dimmer
2	000 - 255	Flash Intensity
3	000 - 255	Flash Duration
4	000 - 255	Flash Rate
5	000 - 255	Color Marco 0-51
6	000 - 255	Frost
7	000 - 255	Red 1
8	000 - 255	Green1
9	000 - 255	Blue1
10	000 - 255	Red 2
11	000 - 255	Green2
12	000 - 255	Blue2
13	000 - 255	Red 3
14	000 - 255	Green3
15	000 - 255	Blue3
16	000 - 255	Red 4

17	000 - 255	Green4
18	000 - 255	Blue4
19	000 - 255	Red 5
20	000 - 255	Green5
21	000 - 255	Blue5
22	000 - 255	Red 6
23	000 - 255	Green6
24	000 - 255	Blue6
25	000 - 255	White Section 1-2
26	000 - 255	White Section 3-4
27	000 - 255	White Section5-6
28	000 - 255	White Section 7-8
29	000 - 255	White Section 9-10
30	000 - 255	White Section 11-12
31	000 - 255	Red 7
32	000 - 255	Green7
33	000 - 255	Blue7
34	000 - 255	Red 8
35	000 - 255	Green8
36	000 - 255	Blue8
37	000 - 255	Red 9
38	000 - 255	Green9
39	000 - 255	Blue9
40	000 - 255	Red 10
41	000 - 255	Green10
42	000 - 255	Blue10
43	000 - 255	Red 11
44	000 - 255	Green11
45	000 - 255	Blue11

46	000 - 255	Red 12
47	000 - 255	Green12
48	000 - 255	Blue12
49	000 - 255	Auto 1-31
50	000 - 255	Auto Speed

92 CHANNELS		
Channel	Value	Function
1	000 - 255	Master Dimmer
2	000 - 255	Flash Intensity
3	000 - 255	Flash Duration
4	000 - 255	Flash Rate
5	000 - 255	Color Marco 0-51
6	000 - 255	Frost
7	000 - 255	Red 1
8	000 - 255	Green1
9	000 - 255	Blue1
10	000 - 255	Red 2
11	000 - 255	Green2
12	000 - 255	Blue2
13	000 - 255	Red 3
14	000 - 255	Green3
15	000 - 255	Blue3
16	000 - 255	Red 4
17	000 - 255	Green4
18	000 - 255	Blue4
19	000 - 255	Red 5
20	000 - 255	Green5

21	000 - 255	Blue5
22	000 - 255	Red 6
23	000 - 255	Green6
24	000 - 255	Blue6
25	000 - 255	Red 7
26	000 - 255	Green7
27	000 - 255	Blue7
28	000 - 255	Red 8
29	000 - 255	Green8
30	000 - 255	Blue8
31	000 - 255	Red 9
32	000 - 255	Green9
33	000 - 255	Blue9
34	000 - 255	Red 10
35	000 - 255	Green10
36	000 - 255	Blue10
37	000 - 255	Red 11
38	000 - 255	Green11
39	000 - 255	Blue11
40	000 - 255	Red 12
41	000 - 255	Green12
42	000 - 255	Blue12
43	000 - 255	White Section 1
44	000 - 255	White Section 2
45	000 - 255	White Section3
46	000 - 255	White Section 4
47	000 - 255	White Section 5
48	000 - 255	White Section 6
49	000 - 255	White Section 7
50	000 - 255	White Section 8

51	000 - 255	White Section9
52	000 - 255	White Section 10
53	000 - 255	White Section 11
54	000 - 255	White Section 12
55	000 - 255	Red13
56	000 - 255	Green13
57	000 - 255	Blue13
58	000 - 255	Red 14
59	000 - 255	Green14
60	000 - 255	Blue14
61	000 - 255	Red 15
62	000 - 255	Green15
63	000 - 255	Blue15
64	000 - 255	Red 16
65	000 - 255	Green16
66	000 - 255	Blue16
67	000 - 255	Red 17
68	000 - 255	Green17
69	000 - 255	Blue17
70	000 - 255	Red 18
71	000 - 255	Green18
72	000 - 255	Blue18
73	000 - 255	Red 19
74	000 - 255	Green19
75	000 - 255	Blue19
76	000 - 255	Red 20
77	000 - 255	Green20
78	000 - 255	Blue20
79	000 - 255	Red 21
80	000 - 255	Green21

81	000 - 255	Blue21
82	000 - 255	Red 22
83	000 - 255	Green22
84	000 - 255	Blue22
85	000 - 255	Red 23
86	000 - 255	Green23
87	000 - 255	Blue23
88	000 - 255	Red 24
89	000 - 255	Green24
90	000 - 255	Blue24
91	000 - 255	Auto 1-31
92	000 - 255	Auto Speed

Color Sheet			
0-4	NO Function	130-134	Color 26
5 - 9	Color 1	135-139	Color 27
10 - 14	Color 2	140-144	Color 28
15-19	Color 3	145-149	Color 29
20-24	Color 4	150-154	Color 30
25-29	Color 5	155-159	Color 31
30-34	Color 6	160-164	Color 32
35-39	Color 7	165-169	Color 33
40-44	Color 8	170-174	Color 34
45-49	Color 9	175-179	Color 35
50-54	Color 10	180-184	Color 36
55-59	Color 11	185-189	Color 37
60-64	Color 12	190-194	Color 38
65-69	Color 13	195-199	Color 39
70-74	Color 14	200-204	Color 40
75-79	Color 15	205-209	Color 41
80-84	Color 16	210-214	Color 42
85-89	Color 17	215-219	Color 43
90-94	Color 18	220-224	Color 44
95-99	Color 19	225-229	Color 45
100-104	Color 20	230-234	Color 46
105-109	Color 21	235-239	Color 47
110-114	Color 22	240-244	Color 48
115-119	Color 23	245-249	Color 49
120-124	Color 24	250-254	Color 50
125-129	Color 25	255	Color 51

LED Partition Map

RGB
W
RGB

10 CH

RGB1-6	RGB7-12
W1-6	W7-12
RGB13-18	RGB19-24

22 CH

RGB1-3	RGB4-6	RGB7-9	RGB10-12
W1-3	W4-6	W7-9	W10-12
RGB13-15	RGB16-18	RGB19-21	RGB22-24

36 CH

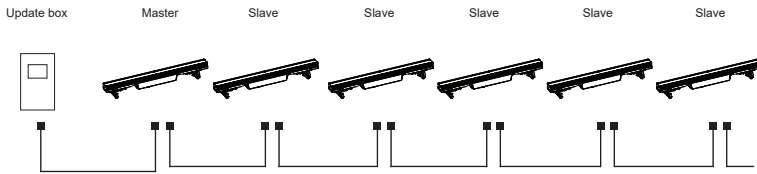
RGB1-2	RGB3-4	RGB5-6	RGB7-8	RGB9-10	RGB11-12
W1-2	W3-4	W5-6	W7-8	W9-10	W11-12
RGB13-14	RGB15-16	RGB17-18	RGB19-20	RGB21-22	RGB23-24

50 CH

RGB1	RGB2	RGB3	RGB4	RGB5	RGB6	RGB7	RGB8	RGB9	RGB10	RGB11	RGB12
W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
RGB24	RGB23	RGB22	RGB21	RGB20	RGB19	RGB18	RGB17	RGB16	RGB15	RGB14	RGB13

92 CH

Update software via DMX cable



Set the first light to Master and the other lights to Slave mode. Connect fixtures via DMX cable.

Connect power for the updater box and choose the software. Connect the updater box with the first light (Master), the background will become grey.

Press the ENTER button, and the display will show "wait". After a few seconds the display will change to "loading" and will change to another colour. This indicates that the software is uploading. After a few minutes "upload success" will appear. All the programs edited in the Master light will be uploaded to the Slave lights.

DMX MODE: In this mode you control the lights with an external controller outputting DMX512 protocol.

(1) Press ENTER button and use the UP or DOWN buttons until "DMX ADDRESS " is displayed. Press the ENTER button, "xxx" will appear. "x" represents the current address set. Use UP or DOWN to set the desired address (001-512).

(2) Press ENTER and use UP or DOWN buttons until "CHANNEL MODE " is displayed. Press ENTER, "Channel [xx]" will appear. "x" represents the current DMX channel mode. Use the UP or DOWN buttons to select your desired Channel mode(3,10,22,36,50,92).

DMX State: In this menu, you can adjust the DMX state (DMX HOLD, BLACK OUT):

(1) DMX HOLD – Holds the last DMX data when signal lost

(2) BLACKOUT - Blackouts DMX when signal is lost.

SLAVE MODE- This option allows for a fixture to be set as a MASTER, and other fixtures which are in SLAVE will follow the MASTER unit.

1. Press "ENTER" and then press "UP" or "DOWN" to "SLAVE Mode".

2. Press "ENTER" and "SLAVE" will be appear, then press "ENTER" to choose

AUTO MODE- In this menu, you can select an AUTO mode (1-31) and adjust the running speed (1-10).

1. Press ENTER and use UP or DOWN until "AUTO" is displayed.

2. Press ENTER, and "SPEED" or "AUTO MODE" will appear. Press ENTER to select and adjust either:

(1) SPEED - Select the desired speed.

(2) AUTO - Select the desired auto mode.

STATIC COLOR-In this menu, you can adjust the value of static color and strobe speed as you like.

1. Press "ENTER" button and then UP or DOWN button until "STATIC COLOR" is shown.

2. Press "ENTER" button, and there will be six options. Then, press ENTER to select the option and press UP or DOWN button to select the value you desire as follow:

(1) RED - Manually set the red intensity.

(2) GREEN - Manually set the green intensity.

(3) BLUE - Manually set the blue intensity.

(4) WHITE- Manually set the white intensity.

(5) COLOUR - Sets the fixture to one of the 51 pre-programmed colours.

(6) STROBE - Set and adjust the strobe speed.

SET UP- In this menu you can adjust the value of a function.

1. Press the ENTER button and use the UP or DOWN buttons until "SET UP" is displayed.

2. Press ENTER. There will be 12 options. Press ENTER to select an option and use UP or DOWN to change values.

1) Dimmer Curve - Choose a particular dimming curve mode

2) Dimmer Speed - Can select a dimming speed mode

3) Dimmer ALL - Adjusts the brightness over all colours.

4) White Balance - Adjust the brightness of each colour from 0-255

5) Key Lock - Choose whether the menu password is active.

By default the password is UP + DOWN + UP + DOWN. If "ON", the user has to input the password before entering the menu. The light cannot be altered until the correct password is entered.

6) Display - Select between "ON" or "30S". If "ON" is selected, the display will constantly output. If "30S" is selected, the display will turn off after 30 seconds of no user input.

7) Glasses - Able to manually enable or disable the electronic frost filter. Select either "on" or "off".

8) Display Orientation - Able to invert the display if required.

INFORMATION- Provides information of the software version, hardware, RDM UID, Serial number, Product ID and the working time of the fixture.

1. Press ENTER button and use UP or DOWN until "INFO" is displayed.

2. Press ENTER. Use UP or DOWN to navigate and then ENTER to view:

(1) **SOFTWARE-** The running Software version.

(2) **HARDWARE-** Displays the Hardware information.

(3) **WORKING TIME-** Total operating hours since manufactured.

(5) **RDM UID-** Displays the RDM UID information.

(6) **Product ID-** The Product ID of the fixture.

(7) **Serial Number-** Serial Number information.

(8) **Max Temp:** A custom max working temperature can be set for the fixture. When the temperature exceeds the value set, the text colour of "Temp xx" in the main display will change from white to yellow. Meanwhile, the fixture will adjust the working temperature automatically.

FACTORY RESET- In this menu, you can reset all the value of the system.

1. Press "ENTER" and then press "UP" or "DOWN" to "FACTORY RESET".

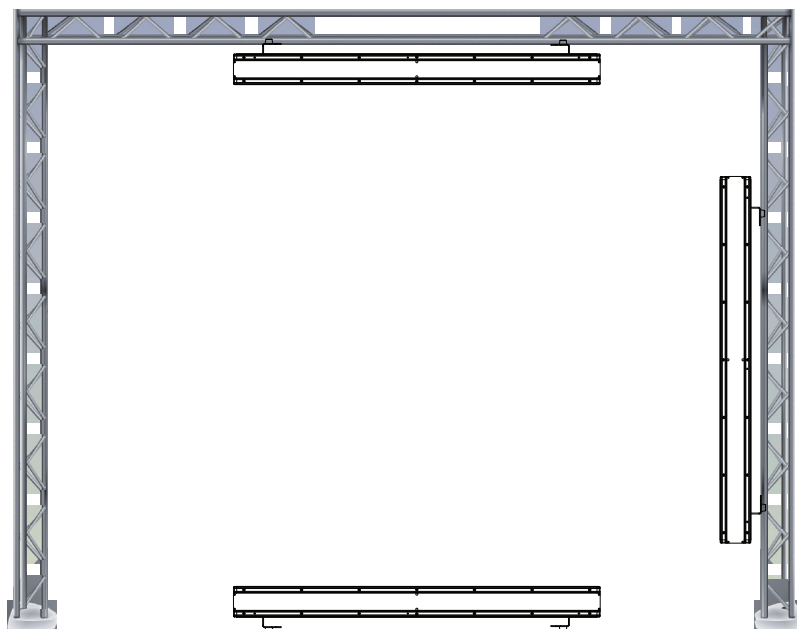
2. Press "ENTER" to reset all the values of the system.

Mounting

When installing the unit, the trussing or area of installation must be able to hold 10 times the weight without any deformation. When installing the unit, secure it with an appropriately rated safety chain. Ensure the area beneath the fixture is clear when mounting, removing or servicing the unit.

Overhead mounting requires extensive experience, including calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the unit. If you lack these qualifications, do not attempt the installation yourself.

The installation should be checked by a skilled technician once a year.



The Pulse Bar is fully operational in three different mounting positions: hanging upside-down from a ceiling, set on a flat level surface or mounted on its side. Be sure to keep the fixture at least 0.5m away from any flammable materials (decorations etc.). Use an appropriately rated safety chain to prevent accidental damage or injury to persons in the event the clamp fails.

RDM

RDM compliance:ANSI/ESTA E.120

Parameter ID		Command	Command	Command
DISC_UNIQUE_BRANCH		✓		
DISC_MUTE		✓		
DISC_UN_MUTE		✓		
DEVICE_INFO				✓
SUPPORTED_PARAMETERS				✓
SOFTWARE_VERSION_LABEL				✓
DMX_START_ADDRESS			✓	✓
IDENTIFY_DEVICE			✓	✓
DEVICE_MODEL_DESCRIPTION				✓
PARAMETER_DESCRIPTION				✓
MANUFACTURER_LABEL				✓
DEVICE_LABEL				✓
FACTORY_DEFAULTS			✓	✓
BOOT_SOFTWARE_VERSION_ID				✓
BOOT_SOFTWARE_VERSION_LABEL				✓
DMX_PERSONALITY			✓	✓
DMX_PERSONALITY_DESCRIPTION				✓
SLOT_INFO				✓
SLOT_DESCRIPTION				✓
SENSOR_DEFINITION				✓
SENSOR_VALUE				✓
DEVICE_HOURS				✓
LAMP_HOURS				✓
RESET_DEVICE	Hot reset-Factory reset		✓	
	Cold reset-Restart		✓	

