

1. Summary

SB-WM-LED3A is a 3 channel 4A (per channel) DMX controlled LED driver, designed by HDL.

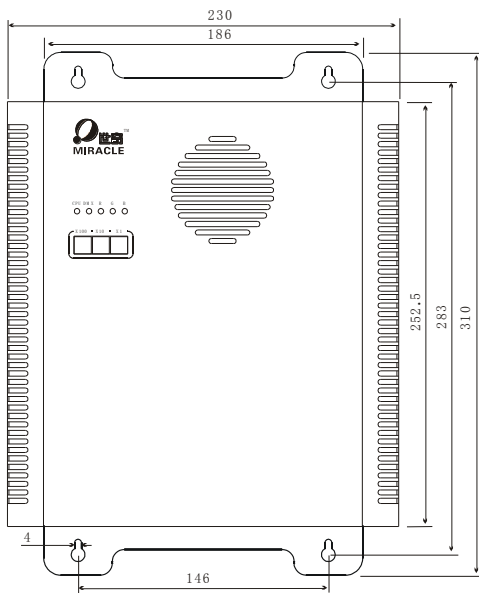
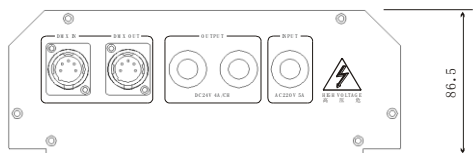
2. Features

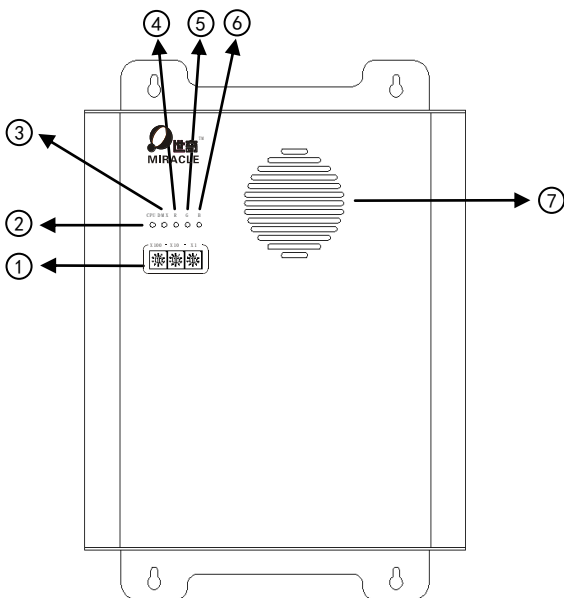
1. 3 output channels for LED
2. Output voltage is DC24V
3. Use DMX to control

3. Main parameters

1. Input voltage: AC220V \pm 10% 50Hz \pm 2%
2. Idle consumption: <10W
3. Channel totality: 3 channels
4. Output voltage: DC24V
5. Output Rated current: 4A/channel
6. Working conditions:
 - Working temperature: 0°C~45°C
 - Working relative humidity: 20%~90%
 - Stored temperature: -40°C~+55°C
 - Stored relative humidity: 10%~93%
7. Size: 310mm \times 230mm \times 86.5mm
8. Weight: 3.34kg

4. Appearance





① start channel

if the start channel is set as 001, then the other two channel is channel 2 and channel 3; if the start channel is set as 013, then the other two channel is channel 014 and channel 015. Setting range: 001~512.

② CPU working indicator.

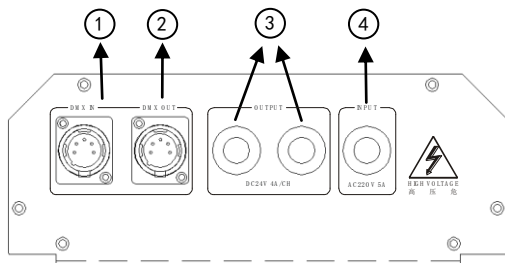
③ DMX working indicator.

④ First channel indicator (red)

⑤ Second channel indicator (green)

⑥ Third channel indicator (blue)

⑦ Ventilation window



- ① DMX input
- ② DMX output
- ③ Wire hole for load
- ④ Wire hole for power input

5. installation

1. Installation conditions

- Install in a place where is in good ventilation, no too much dust, vibration and damp.
- hang and place it vertically
- ⚠️ Suitable circuit breaker is needed to applied at AC220~240V power input.

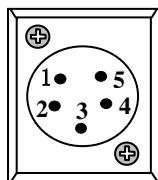
2. Cable requirements

- Power input: 1.5mm² copper wire
- Load cable: 1.5mm² copper wire
- DMX cable: Five-core shielded audio cable, canon male at one edge, canon female at the other edge.
- **DMX pin definition:**
 - PIN1: GND
 - PIN2: DATA-

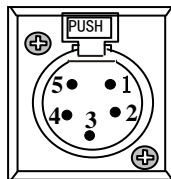
PIN3: DATA+

PIN4: NC

PIN5: NC

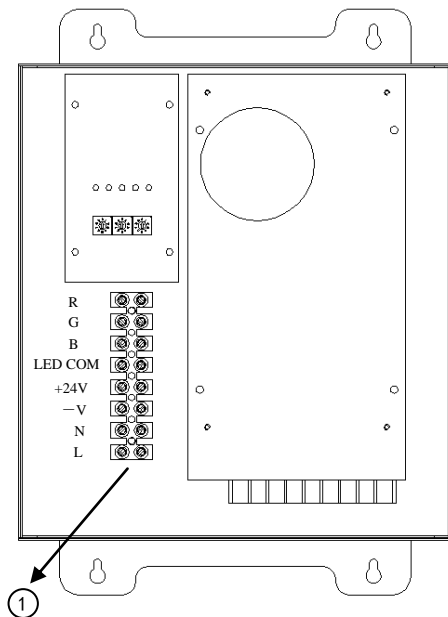


DMX input



DMX output

3. terminals



Pin definitions:

R: Channel 1, for red, negative.

G: Channel 2, for green, negative.

B: Channel 3, for blue, negative.

LED COM: Common terminal for R, G and B, positive.

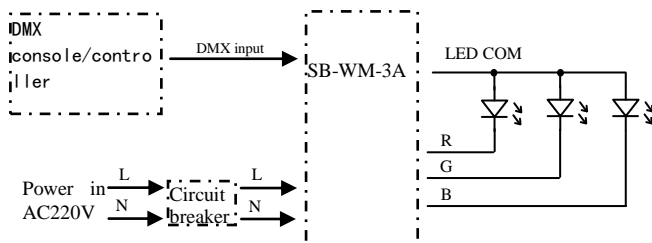
+24V: Positive terminal for +24V.

-V: Negative terminal for +24V.

N: Neutral

L: Line

4. Wiring scheme



6. Safety and maintenance

- Read the manual before installation.
- Keep away from strong interference source.
- Overload working is forbidden.
- Good ventilation environment is needed.
- Take good care and do things for dust proof, vibration proof, damp proof.
- contact HDL when needed.
- ⚠ Suitable circuit breaker is needed to applied at AC220~240V power input.