FOS Hallo LED

PRODUCT SPECIFICATIONS

TECHNICAL SPECIFICATION

Voltage: 100/240 Volt AC, 50/60 Hz.

Light Source: 468 x 0,8 Watt LEDs in total, 50,000 life hours, 7000 Hz refresh rate.

LED Groups:

- 8 **RGB** segments in the outer ring
- 8 **RGB** segments in the center section
- 2 **Warm White** & **Amber** segments in the center section
- 1 **Warm White** segment on the back side of the mesh grid.

Control: Auto (Test Mode with adjustable speed) & DMX512.

DMX Channels: 2, 7, 16, 51, 55 & 64 control channels.

Protection Class: IP20 (suitable for indoor use only)

Bracket: for truss or tripod installation*.*

Width: 462 mm

Depth: 265 mm

Height: 493 mm

Weight: 8 Kg

SAFETY WARNING

This product must be installed by a qualified professional. All maintenance must be carried out by a qualified electrician. A minimum distance of 0.5 m must be maintained between the equipment and a combustible surface. The product must always be operated in a well-ventilated area. DO NOT stare directly into the light source. Always disconnect the power before carrying out any maintenance. The earth must always be connected to the ground. Ensure that all parts of the equipment are kept clean and free of dust. Avoid using strobe effects continuously.

PROTECTION AGAINST SOLIDS AND WATER

Only for IP-rated fixtures

The protection level of a housing is set by applied standards. For classification there is used the IP-Code. It contains the declaration „IP"and two following numbers. The first number characterizes the protection against harmful effects of solids, the second is rating the water protection. It is important to distinguish whether encapsulation and harmful effect! There can be housing that is not capsuled completely but still avoids harmful effect of solids or water.

PROTECTION EXAMPLES:

IP20: Protection against intruding objects >12,5mm „Finger protected "; No waterproofing. **TYPICAL PROTECTION FOR INDOOR USE FIXTURES**

IP33: Protection against intruding objects >2,5mm; Falling water within an angle of 60° has no harmful effect **TYPICAL PROTECTION OF LED-LIGHTS USING RECESSED POWERCON AND DMX SOCKET**. This protection is linked to the mounting position of the fixture and always refers to typical mounting situation like a Floor spot used standing on the ground.

IP54: complete protection against solids and low-pressure water from any side **THIS TYPE OF FIXTURES CAN BE USED UNDER NORMAL OUTDOOR CONDITIONS**.

IP65: shielded against dust and pressurized water from any side. **TYPICAL PROTECTION FOR OUTDOOR RATED EVENTFIXTURES USING WATERPROOFED POWER AND SIGNAL LINK.**

IP67: shielded against dust and protected for accidental briefly submerge. **PROTECTION AGAINST ACCIDENTAL SUBMERGING ON TEMPORARY FLOODED AREA.**

TEMPORARY USE

Event equipment is designed for temporary use. This are typical purpose as concerts, festivals, theatre, clubs and disco use and referable venues. Long-term use, specially under outdoor conditions and fixed outdoor installation can bring damage in aging materials and affect the coated surface. Sealings as well as

cables are made from rubber material and will age by long-term UV-emission as sunlight and should be checked frequently.

LIMITATIONS OF IP PROTECTION

IP-Rating doesn´t mean unlimited outdoor use and protection against any kind of environmental influence! Especially sunlight and included UV will bring accelerated aging. Some fixtures need special parts or processes to fit the rated IP-Protection, like mounting covers or caps or similar. Sealings and other plastic or rubber materials are aging parts. They must be checked frequently to ensure the protection and safety of the fixtures. Also specified torque of screws can affect protection!

Installation

Hanging: The fixture can be mounted in a hanging position using the supporting bracket. The bracket should be secured to the mounting truss or structure using a standard mounting clamp. Please note that when hanging the unit, a safety cable should also be used.

UPRIGHT: The fixture can be mounted in an upright or sitting position using the supporting brackets.

NOTE! If the signal cable is over 60 m between the DMX512 controller and fixture or between two fixtures, then a DMX signal amplifier is needed as well.

Menu Screen

You can easily navigate through menu's options with the four buttons under the screen. Navigating in the menu is simple! With the Up / Down buttons, you are moving through menu's choices, pressing Enter, you are entering the sub menu of the option you have chosen, with the Up / Down buttons you're moving through the sub menu's options, with Enter, you are confirming your choice. The **FOS Hallo LED** offers the following options:

Config Mode

Channel Mode:

- 2 Ch
- 7 Ch
- 16 Ch
- 51 Ch
- 55 Ch
- 64 Ch

Keep Screen On

- Disable
- Enable

Keep DMX Data

- Disable
- Enable

Fast Dimmer

- Disable
- Enable

System Info:

- Temperature

Load Default:

- True
- False

LED All On

Auto Test Speed:

Auto Mode Speed:

- 0 – 255 (Fast to slow)

Auto Test:

- Auto Mode 1
- Auto Mode 2
- Auto Mode 3
- Auto Mode 4
- Auto Mode 5
- Auto Mode 6

Channel Modes

2 Channel

1. **Master Dimmer**
2. **Flow Effect:**
   - **0 – 41** No Function
   - **42 – 83** Effect 1
   - **84 – 125** Effect 2
   - **126 – 167** Effect 3
   - **168 – 209** Effect 4
   - **210 – 255** Effect 5

7 Channels

1. **Master Dimmer**
2. **Outer Ring White (RGB Full ON)**
3. **Outer Ring Strobe:**
   - **0 – 10** No Function
   - **11 – 240** Strobe from slow to fast
   - **241 – 255** Random Flash
4. **Inner White (RGB Full ON)**
5. **Inner Strobe:**

- **0 – 10** No Function
- **11 – 240** Strobe from slow to fast
- **241 – 255** Random Flash

6. **Center White (Amber & Warm White Full ON)**
7. **Center Strobe:**
    - **0 – 10** No Function
    - **11 – 240** Strobe from slow to fast
    - **241 – 255** Random Flash

16 Channels

1. **Master Dimmer**
2. **Master Shutter:**
    - **0 – 10** No Function
    - **11 – 240** Strobe from slow to fast
    - **241 – 255** Random Flash
3. **Flow Effect:**
    - **0 – 41** No Function
    - **42 – 83** Effect 1
    - **84 – 125** Effect 2
    - **126 – 167** Effect 3
    - **168 – 209** Effect 4
    - **210 – 255** Effect 5
4. **Dimmer Speed**
5. **Outer Red**
6. **Outer Green**
7. **Outer Blue**
8. **Outer Ring Shutter:**
    - **0 – 10** No Function
    - **11 – 240** Strobe from slow to fast
    - **241 – 255** Random Flash
9. **Inner Red**
10. **Inner Green**
11. **Inner Blue**
12. **Inner Shutter:**
    - **0 – 10** No Function
    - **11 – 240** Strobe from slow to fast
    - **241 – 255** Random Flash
13. **Center Warm White**
14. **Center Amber**
15. **Internal Ring (Warm White)**
16. **Internal Ring Shutter:**

- **0 – 10** No Function
- **11 – 240** Strobe from slow to fast
- **241 – 255** Random Flash

51 Channels

1. **Outer Red 1**
2. **Outer Green 1**
3. **Outer Blue 1**
4. **Outer Red 2**
5. **Outer Green 2**
6. **Outer Blue 2**
7. **Outer Red 3**
8. **Outer Green 3**
9. **Outer Blue 3**
10. **Outer Red 4**
11. **Outer Green 4**
12. **Outer Blue 4**
13. **Outer Red 5**
14. **Outer Green 5**
15. **Outer Blue 5**
16. **Outer Red 6**
17. **Outer Green 6**
18. **Outer Blue 6**
19. **Outer Red 7**
20. **Outer Green 7**
21. **Outer Blue 7**
22. **Outer Red 8**
23. **Outer Green 8**
24. **Outer Blue 8**
25. **Inner Red 1**
26. **Inner Green 1**
27. **Inner Blue 1**
28. **Inner Red 2**
29. **Inner Green 2**
30. **Inner Blue 2**
31. **Inner Red 3**
32. **Inner Green 3**
33. **Inner Blue 3**
34. **Inner Red 4**

35. **Inner Green 4**
36. **Inner Blue 4**
37. Inner Red 5
38. Inner Green 5
39. Inner Blue 5
40. **Inner Red 6**
41. **Inner Green 6**
42. **Inner Blue 6**
43. Inner Red 7
44. Inner Green 7
45. Inner Blue 7
46. **Inner Red 8**
47. **Inner Green 8**
48. **Inner Blue 8**
49. **Center Warm White**
50. **Center Amber**
51. **Back Warm White**

55 Channels

1. **Master Dimmer**
2. Outer Red 1
3. Outer Green 1
4. Outer Blue 1
5. **Outer Red 2**
6. **Outer Green 2**
7. **Outer Blue 2**
8. Outer Red 3
9. Outer Green 3
10. Outer Blue 3
11. **Outer Red 4**
12. **Outer Green 4**
13. **Outer Blue 4**
14. Outer Red 5
15. Outer Green 5
16. Outer Blue 5
17. **Outer Red 6**
18. **Outer Green 6**
19. **Outer Blue 6**
20. Outer Red 7
21. Outer Green 7

22. Outer Blue 7
23. **Outer Red 8**
24. **Outer Green 8**
25. **Outer Blue 8**
26. **Outer Strobe:**
    - **0 – 10** No Function
    - **11 – 240** Strobe from slow to fast
    - **241 – 255** Random Flash
27. Inner Red 1
28. Inner Green 1
29. Inner Blue 1
30. **Inner Red 2**
31. **Inner Green 2**
32. **Inner Blue 2**
33. Inner Red 3
34. Inner Green 3
35. Inner Blue 3
36. **Inner Red 4**
37. **Inner Green 4**
38. **Inner Blue 4**
39. Inner Red 5
40. Inner Green 5
41. Inner Blue 5
42. **Inner Red 6**
43. **Inner Green 6**
44. **Inner Blue 6**
45. Inner Red 7
46. Inner Green 7
47. Inner Blue 7
48. **Inner Red 8**
49. **Inner Green 8**
50. **Inner Blue 8**
51. **Inner Strobe:**
    - **0 – 10** No Function
    - **11 – 240** Strobe from slow to fast
    - **241 – 255** Random Flash

52. **Center Warm White**
53. **Center Amber**
54. **Back Warm White**
55. **Centrer Strobe:**
    - **0 – 10** No Function
    - **11 – 240** Strobe from slow to fast

- **241 – 255** Random Flash

64 Channels

1. **Master Dimmer**
2. **Master Shutter:**
    - **0 – 10** No Function
    - **11 – 240** Strobe from slow to fast
    - **241 – 255** Random Flash
3. **Flow Effect:**
    - **0 – 41** No Function
    - **42 – 83** Effect 1
    - **84 – 125** Effect 2
    - **126 – 167** Effect 3
    - **168 – 209** Effect 4
    - **210 – 255** Effect 5
4. **Dimmer Speed**
5. **Outer Red**
6. **Outer Green**
7. **Outer Blue**
8. **Outer Ring Shutter:**
    - **0 – 10** No Function
    - **11 – 240** Strobe from slow to fast
    - **241 – 255** Random Flash
9. **Red Inner**
10. **Green Inner**
11. **Blue Inner**
12. **Inner Section Shutter:**
    - **0 – 10** No Function
    - **11 – 240** Strobe from slow to fast
    - **241 – 255** Random Flash
13. **Warm White Center**
14. **Amber Center**
15. **White Background**
16. **Shutter (Warm & Amber):**
    - **0 – 10** No Function
    - **11 – 240** Strobe from slow to fast
    - **241 – 255** Random Flash
17. **Outer Red 1**
18. **Outer Green 1**

19. Outer Blue 1
20. **Outer Red 2**
21. **Outer Green 2**
22. **Outer Blue 2**
23. Outer Red 3
24. Outer Green 3
25. Outer Blue 3
26. **Outer Red 4**
27. **Outer Green 4**
28. **Outer Blue 4**
29. Outer Red 5
30. Outer Green 5
31. Outer Blue 5
32. **Outer Red 6**
33. **Outer Green 6**
34. **Outer Blue 6**
35. Outer Red 7
36. Outer Green 7
37. Outer Blue 7
38. **Outer Red 8**
39. **Outer Green 8**
40. **Outer Blue 8**
41. Outer Red 1
42. Outer Green 1
43. Outer Blue 1
44. **Outer Red 2**
45. **Outer Green 2**
46. **Outer Blue 2**
47. Outer Red 3
48. Outer Green 3
49. Outer Blue 3
50. **Outer Red 4**
51. **Outer Green 4**
52. **Outer Blue 4**
53. Outer Red 5
54. Outer Green 5
55. Outer Blue 5
56. **Outer Red 6**
57. **Outer Green 6**
58. **Outer Blue 6**
59. Outer Red 7
60. Outer Green 7
61. Outer Blue 7
62. **Outer Red 8**

63. **<u>Outer Green 8</u>**
64. **<u>Outer Blue 8</u>**

General Information

Replacing a fuse:

Always disconnect the fixture from main power before replacing a fuse. Use only the appropriate fuse, with the same type and rating. A fuse with different rating, can damage the fixture in case of failure.

Risk of electric shock and / or fire:

The fixture must be earthed, supplied always with its nominal voltage and cleaned periodically from dust. For cleaning use only, a moist cloth. Never use liquids or force water. After cleaning, let the fixture dry before use.