



## LEDBAR-24

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## User Manual



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# Safety

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## Important Safety Information

**WARNING:** TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT OVEREXPOSE THIS FIXTURE TO RAIN OR MOISTURE.

**WARNING:** CONNECT ONLY TO MAINS POWER SUPPLY WITH A PROTECTIVE EARTHING CONNECTION.

**WARNING:** TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE THE REAR COVER OR ATTEMPT TO OPEN THE LIGHTING FIXTURE. THERE ARE NO USER-SERVICEABLE PARTS INSIDE. REFER ALL SERVICING TO QUALIFIED PERSONNEL.

1. Read this manual carefully.
2. Keep this manual safe for future reference.
3. Follow all warnings and recommendations.
4. Do not operate or store near water.
5. Do not expose the fixture to dripping or splashing liquid, and ensure that no objects containing liquid are placed on this fixture.
6. Clean only with a dry cloth.
7. Do not install or operate near any heat sources such as radiators, gas heaters, stoves, or other heating apparatus.
8. Only use attachments and accessories specified by the manufacturer.
9. Do not block any ventilation openings, including sound ports.
10. Install in accordance with the manufacturer's instructions.
11. Do not obstruct or remove the ground plug from the fixture, doing so may cause electric shock resulting in serious injury or death.
12. Protect the power cord from being walked on, pinched, or rolled over.
13. Unplug the fixture during electrical storms and power outages.
14. Refer all servicing to a qualified service technician. Servicing is required when the fixture no longer operates, fails to power on, or emits an electrical smell or sound.
15. To completely disconnect AC power from this fixture, the power supply cord must be unplugged.

## Precautions

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If an AVE lighting fixture is used outdoors on a sunny day, ensure that it is in a shaded area and is well ventilated to help prevent overheating.

Do not use AVE lighting fixtures in environments that are below 0°C OR exceed +40°C.

## Suspension

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Suspending any object is potentially dangerous and should only be attempted by qualified individuals with thorough knowledge of the techniques and regulations for suspending objects. It is the responsibility of the installer to ensure all fixtures and effects are installed correctly. AVE strongly recommends inspecting installed systems every 6 months for signs of weakness or damage. If any damage or weakness is detected then remedial action should be taken immediately. The user is responsible for making sure the wall, ceiling, or structure is capable of supporting all objects suspended overhead. Any hardware used to suspend a loudspeaker not associated with AVE is the responsibility of others.

## Mounting

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The LEDBAR-24 fixtures are supplied with 2 mounting feet (one each end). These can be used as a floor stand or for mounting the fixtures on a wall / ceiling.

For hanging the fixture to a lighting stand or trussing, simply attach a lighting clamp to both of the feet ensuring that the clamp is tightened to prevent unwanted movement.

For installing the fixture to a wall, place the feet on the wall where you want the fixture to be mounted. Screw through the pre-drilled holes in the feet, ensuring that you are fixing to a surface that can sufficiently support the fixture. Once the feet are in place, screw the fixture to the brackets using the supplied tri-wheels.

*\*Mounting screw / bolts are not included*

# Description

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The AVE LEDBAR-24 is a linear wash effect light that produces a great wash of colour, great for dance floors and washing flat surfaces. The wash effect is uses 24x 3-in-1 RGB LEDs, each with a punchy 1W output. 8 zones of control allow you to create eye catching visual chases and colour mixing effects for your event.

Out of the box, the LEDBAR-24 has 'Fade', 'sound' and static colour modes for plug-and-play operation. As well as master slave function which lets you create coordinated lighting shows without the need for DMX. For use with other lighting fixtures the LEDBAR can be connected to a DMX controller and manually controlled/programmed with the option of; 3CH / 8CH / 10CH / 29CH control.

The perfect wash effect for DJs, venues, bands, and event spaces wanting to enhance their lighting show.

## Features

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- Lightweight Linear RGB wash light
- 24x 1W RGB 3-in-1 LED diodes
- 8 zones of control for dynamic visual effects
- Selectable 3/8/10/29 channel control for DMX
- 13 built-in Sound activated programs
- Supplied with mounting feet

# Setup

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To set up your AVE LEDBAR-24 follow the below steps;

1. Mount the item on your lighting stand or on the floor
2. Connect the AC power cord from a grounded mains 240v power source
3. Power the fixture/s on from the mains socket
4. Select the desired operation mode and press 'enter'
5. Wait approx. 10sec for the setting to take effect

In Auto/Sound mode, if sound is detected the light will automatically respond to the tempo of that sound. If no sound is detected the fixture will 'auto play' the sequence / program at its preset speed.

## Menu Map

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Main Level	Program Level	Description
Addr	1 – 512	DMX Address Value
	3Ch	RGB Control
Chnd	8Ch	RGB Control + Auto
	10Ch	2 Zone Control
	29Ch	8 Zone Control
SLAv	NASt	Master
	SLA 1	Slave 1
	SLA 2	Slave 2
ShNd	Auto	on/off selection
	Colo	Static Colours (9 presets)
	FAde	Colour Fade (9 speed settings)
	SoUn	Sound Active Mode (13 presets)
bLNd	Yes / No	Blackout
LEd	On / Off	Green Diode Intensity
DiSP	-	Inverts the display
bALA	Red	Red Balance
	Green	Green Balance
	Blue	Blue Balance
tESt	-	Fixture Test Sequence
tENP	-	Displays Fixture Temperature
FhrS	-	Displays Total Hours of Operation
ver	-	Displays Firmware Version

# Operation

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To access the menus and functions of the LEDBAR-24, use the four (4) buttons located under the main LCD control screen.

Button Label	Function
Menu	Press to access main menu, or change function once the fixture is on
Up	Cycles upwards through the menu and options
Down	Cycles downwards through the menu and options
Enter	Press to select a menu option or save a setting

## DMX Channels

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### 3 CH Control

1 CH	0 – 255	Red
2 CH	0 - 255	Green
3 CH	0 – 255	Blue

### 8 CH Control

1 CH	0 – 255	Dimmer
2 CH	0 – 255	Strobe
3 CH	0 - 255	Red
4 CH	0 – 255	Green
5 CH	0 – 255	Blue
6 CH	0 – 255	Auto Program
7 CH	0 – 255	Speed
8 CH	0 – 255	Auto Program Pause

### 10 CH Control

1 CH	0 – 255	Dimmer (master)
2 CH	0 – 255	Strobe (master)
3 CH	0 - 255	Zone 1 (Colour + Auto)
4 CH	0 – 255	Zone 2 (Colour + Auto)
5 CH	0 – 255	Zone 3 (Colour + Auto)
6 CH	0 – 255	Zone 4 (Colour + Auto)
7 CH	0 – 255	Zone 5 (Colour + Auto)
8 CH	0 – 255	Zone 6 (Colour + Auto)
9 CH	0 - 255	Zone 7 (Colour + Auto)
10 CH	0 – 255	Zone 8 (Colour + Auto)

### 29 CH Control

1 CH	0 – 255	Dimmer (master)
2 CH	0 – 255	Strobe (master)
3 CH	0 - 255	Red (zone 1)
4 CH	0 – 255	Green (zone 1)
5 CH	0 – 255	Blue (zone 1)
6 CH	0 – 255	Red (zone 2)
7 CH	0 – 255	Green (zone 2)
8 CH	0 – 255	Blue (zone 2)
9 CH	0 - 255	Red (zone 3)
10 CH	0 – 255	Green (zone 3)
11 CH	0 – 255	Blue (zone 3)
12 CH	0 – 255	Red (zone 4)
13 CH	0 – 255	Green (zone 4)
14 CH	0 – 255	Blue (zone 4)
15 CH	0 - 255	Red (zone 5)
16 CH	0 – 255	Green (zone 5)
17 CH	0 – 255	Blue (zone 5)
18 CH	0 – 255	Red (zone 6)
19 CH	0 – 255	Green (zone 6)
20 CH	0 – 255	Blue (zone 6)
21 CH	0 - 255	Red (zone 7)
22 CH	0 – 255	Green (zone 7)
23 CH	0 – 255	Blue (zone 7)
24 CH	0 – 255	Red (zone 8)
25 CH	0 – 255	Green (zone 8)
26 CH	0 - 255	Blue (zone 8)
27 CH	0 – 255	Auto Program (master)
28 CH	0 – 255	Speed (master)
29 CH	0 – 255	Auto Program Pause (master)

# Specifications

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**Light Source:** 24x 1W Tri-Colour (RGB) LEDs

**Colours:** Red, Green, Blue (3-in-1)

**Strobe Rate:** 0 – 16Hz

**DMX Channels:** 3CH / 8CH / 10CH / 29CH

**DMX Connectors:** 3-Pin XLR

**Power Consumption:** 36W

**Power Supply:** 240V AC / 50Hz

**Power Connectors:** IEC Mains

**Dimensions:** 65 x 50 x 980 mm (excluding mounting brackets)

**Weight:** 1.70 kg

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