QUADPRO FLAT
User Manual

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Safety

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

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

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 the fixture not associated with AVE is the responsibility of others.

Description

The AVE QuadPRO Flat is a lightweight and high-output LED par can that is designed to give you the flexibility and performance your event or stage needs. Featuring 36x 3W LED diodes with Red, Green, Blue, and White diodes, allowing you to mix a huge colour spectrum. The par is built into a light ABS plastic housing with thermal fan to keep the fixture cool. Also fitted is a dual yoke for safely hanging the fixture from stands or lighting truss, or mounting on the floor.

The QuadPRO Flat is supplied out of the box with 'Auto' programs including a 'sound active' mode for plug-and-play operation with an amazing visual effect. The QuadPRO Flat can also be controlled via DMX for integration into larger lighting shows and setups with the 3-pin XLR connectors.

Features

- High-output 36x 3W LEDs
- Single Colour diodes (9 Diodes per colour)
- Lightweight ABS housing
- 3-Pin XLR connections for DMX control
- Built-in Auto programs; Fade / Flash / Sound
- Static colour settings
- Master / Slave operation
- Fitted with a Dual Yoke

Setup

To set up your AVE QuadPRO Flat 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

Power Linking

The QuadPRO is fitted with a Mains IEC input and output that allows you to power multiple fixtures from one (1) mains power connection.

To power link your fixtures;

1. Ensure the mains power is off and unplugged from the wall
2. Connect your IEC extension cable to the output connector from the first fixture and connect to the power input of the second unit ensuring that the connector are firmly in place
3. Repeat step 2 for each additional fixture up to 7 fixtures

Mounting

The QuadPRO Flat is fitted with a Dual yoke that can be separated and used as a floor stand for use on flat & sturdy surfaces.

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

Next, attach a safety wire* through the eyelets located on the rear panel of the fixture. Secure the safety cable to the stand or trussing.

This is a secondary fall arrest; in the event the yoke or clamp fail, the fixture is safe from causing serious injury or damage

Operation

To access the menus and functions of the QuadPRO Flat, use the four (4) buttons located under the main 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

Menu Map

Main Level	Program Level	Description
Addr	1 – 512	DMX Address Value
Chnd	4Ch	4 Channel DMX Mode
	8Ch	8 Channel DMX Mode
SLnd (master / slave)	nASt	Master
	SL1	Slave Mode 1
	SL2	Slave Mode2
	SL3	Slave Mode3
	SL4	Slave Mode4
Shnd (show mode)	SoUn	Sound Active Mode
	Auto	Auto Mode
	Colo	Colour Presets 1 – 15 + Strobe speed
	FAdE	Colour Fade SP1 - SP8 (speed)
LED	On/Off	LED backlight Display
dISP	Invert Display	
bALA (white balance)	red	Manual Red Colour 0 - 255
	Gree	Manual Green Colour 0 - 255
	bLue	Manual Blue Colour 0 - 255
NAnu (manual colour)	red	Manual Red Colour 0 - 255
	Gree	Manual Green Colour 0 - 255
	bLue	Manual Blue Colour 0 - 255
	Unbe	Manual White Colour 0 - 255
teSt	Test all colours + All on	
FhrS	Displays hours of operation	
tenP	Displays temperature of unit	

DMX Channels

4 CH Control

1 CH	Red
2 CH	Green
3 CH	Blue
4 CH	White

8 CH Control

1 CH	0 - 255	Red
2 CH	0 - 255	Green
3 CH	0 - 255	Blue
4 CH		
5 CH	0 - 255	Dimmer
6 CH	0 - 255	Strobe (slow > fast)
	0 - 7	No Function
7 CH	8 - 255	Stepping Colour
8 CH	0 - 7	No Function
	8 – 199	Auto Colour (slow > fast)
	200 - 255	Sound Active

Specifications

Light Source:	36 x 3W LED Diodes
Diode Colour:	Red, Green, Blue, White
Beam Angle:	28°
DMX Channels:	4CH / 8CH
DMX Connectors:	3-Pin XLR
Enclosure:	ABS Plastic
Power Consumption:	110W
Power Supply:	240V AC / 50Hz
Power Connectors:	IEC Mains
Dimensions:	240 x 235 x 80 mm
Weight:	1.0 kg