



PROFESSIONAL STAGE LIGHTING

Mag^c PAR 18 FX



USER MANUAL

1. INTRODUCTION

Thank you for choosing the Acue Lighting Magic Par 18 FX. To use this product correctly and safely, please read the instructions carefully before installing and using this product. This manual contains important installation and operation information. Make sure to strictly follow the instructions when installing and operating this product. Retain this manual in a safe place for future reference.

The Magic Par 18 FX uses a high-temperature resistant aluminum/metal body with and is IP19 rated. IP19 is a classification given to devices that are designed mostly for indoor use in cool dry areas. This product is designed and produced in strict accordance with CE standards and conforms to the international standard of DMX512 signal protocol. It can be controlled manually from the display or by DMX using the built in 3-pin XLR in/out connectors. This fixture is suitable for various types of indoor concerts, indoor events, indoor installations, and other like environments.

2. SAFETY INSTRUCTIONS

- Please keep this User Manual for future reference. All users of this fixture must read the user manual thoroughly.
- Unpack and check contents carefully to make sure there is no damage caused by shipping before using the unit.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.
- It's important to properly ground the fixture to avoid electric shock.
- The unit is designed for indoor use. It is alright to use outdoors temporarily but not when moisture is present. Do not point fixture directly into sunlight. Make sure main power connector is connected to an outlet that is not near liquids or moisture.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Disconnect main power before moving fixture.

- Make sure there are no flammable materials close to the unit while operating, as it is fire hazard.
- Use safety cable when mounting this unit.
- Do not connect this product to power dimmers.
- Max ambient operating temperature is 40°C. Do not operate if the temperature is higher than this.
- Unit surface temperature may reach up to 85°C. Do not touch the housing bare-handed during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.
- In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled individuals can lead to further damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type of parts.

3. Maintenance and Installation

3.1 Maintenance

- To reduce the risk of electrical shock or fire, do not expose the power cable connector of this unit to rain or moisture.
- Intermittent usage will extend this fixtures service life.
- Please clear the fan, fan net, and optical lenses of any dust or obstructions in order to keep the fixture in a proper working state.
- Do not use alcohol or any other organic solvent to wipe the shell.

3.2 Statement

All fixtures have been tested thoroughly before leaving the factory. In order to keep the product in good condition and ensure safe operation, users should follow the safety precautions and warnings in this manual.

Important: Damages caused by not following the guidelines in this user manual are not covered under warranty. The manufacturer is not responsible for product issues caused by misuse.

3.3 Safety Precaution

- In order to guarantee the product's life expectancy, do not store or use in environments over 60° C.
- Always mount this unit in a safe and stable manner. Mounting system must be able to withstand 10x that of the fixture's weight. A safety cable must always be used as a secondary source for securing the fixture.
- Installation of this fixture may only be carried out by skilled individuals.
- This product can be used in the voltage range of 90-240V and is an indoor rated product. Please make sure that the power mains voltage used is not higher/or lower than what the product can withstand! The power plug must be inserted into a protected Class I socket and must be grounded properly.
- In order to make sure the product is used properly, please read this manual carefully.

3.4 Cable Connection (DMX)

Make sure to use a cable conforming to specifications EIA RS-485: 2-pole twisted, shielded, 120Ohm characteristic impedance, 22-24 AWG, Low capacity. Do not use microphone cable or other cable with characteristics differing from those specified. The end connections must be made using XLR type 3-pin/ 5-pin male/female connectors. A terminating plug must be inserted into the last fixture with a resistance of 120 Ohm (minimum 1/4 W) between terminals 2 and 3.

IMPORTANT: The wires must not make contact with each other or with the metal casing of the connectors. The casing itself must be connected to the ground of the connector plugs.

4. Display Operation

After powering on, press MENU to switch through menu options, press enter to select desired menu option, press UP or DOWN to select a value, and then press ENTER to save.



Serial	Numeric Code	Range	Function & Description
1	A001	001-255	DMX Mode 10 Channels
2	D001	001-255	Dimmer Curve: Linear/Square/Inverse Square/S-Curve
3	r255	000-255	Main light red dimming, from dark to bright.
4	G255	000-255	Main light green dimming, from dark to bright.
5	b255	000-255	Main light blue dimming, from dark to bright.
6	u255	000-255	Main light white dimming, from dark to bright.
7	y255	000-255	Pixel red dimming, from dark to bright.
8	P255	000-255	Pixel green dimming, from dark to bright.
9	C255	000-255	Pixel blue dimming, from dark to bright.
10	FH99	00-99	Strobe control (0 is off, 1-99 strobe speed control)
11	CL01	01-56	Manual color selection mode.
12	CC99	01-99	Jump from slow to fast.
13	DE99	01-99	Gradient, from slow to fast.
14	CP99	01-99	Pulse changes, from slow to fast.
15	Auto		Automatic effects.
16	SU01	01-02	Mode: 1 is strobe jumping, 2 is jumping

5. DMX Channel Chart

11CH Mode A001

Channel	Function	Value	Description
CH 1	Master Dimmer	0-255	Total dimming from dark to bright
CH 2	Main LED - Red	0-255	Main LED Red dimming from dark to bright
CH 3	Main LED - Green	0-255	Main LED Green dimming from dark to bright
CH 4	Main LED - Blue	0-255	Main LED Blue dimming from dark to bright
CH 5	Main LED - White	0-255	Main LED White dimming from dark to bright
CH 6	Pixel Macro	0-10	OFF
		11-45	Red
		46-80	Green
		81-115	Blue
		116-150	Red/Green Mixed Color
		151-185	Red/Blue Mixed Color
		186-220	Green/Blue Mixed Color
		221-255	Red/Green/Blue Mixed Color
CH 7	Strobe	0-255	Strobe speed control from slow to fast

CH 8	Macro	0	OFF
		1-20	Color Select (Controlled by CH 9)
		21-84	Jumping Color Changes
		85-90	Jumping Macro
		91-154	Gradient Color Changes
		155-160	Gradient Macro
		161-224	Pulse Effects
		225-230	Pulse Macro
		231-255	Sound control (CH 9 selects one of two effects)
CH 9	Macro Speed	0-255	Macro Speed/Selection
CH 10	Halo Ring Effects	0-50	OFF
		51-220	Auto Macro Effects
		221-255	Sound Control (Ch 11 selects one of two effects)
CH 11	Halo Effect Speed	0-255	Halo Effect Speed control

11CH Mode d001

Channel	Function	Value	Description
CH 1	Master Dimmer	0-255	Total dimming from dark to bright
CH 2	Strobe	0-255	Strobe speed control from slow to fast
CH 3	Macro	0	OFF
		1-20	Color Select (Controlled by CH 9)
		21-84	Jumping Color Changes
		85-90	Jumping Macro
		91-154	Gradient Color Changes
		155-160	Gradient Macro
		161-224	Pulse Effects
		225-230	Pulse Macro
		231-255	Sound control (CH 9 selects one of two effects)
CH 4	Macro Speed	0-255	Macro Speed/Selection
CH 5	Halo Ring Effects	0	OFF
		1-20	Auto Macro Effects
		21-84	Sound Control (Ch 6 selects one of two effects)
CH 6	Halo Effect Speed	0-255	Macro Speed/Selection
CH 7	Main LED - Red	0-255	Main LED Red dimming from dark to bright
CH 8	Main LED - Green	0-255	Main LED Green dimming from dark to bright
CH 9	Main LED - Blue	0-255	Main LED Blue dimming from dark to bright
CH 10	Main LED - White	0-255	Main LED White dimming from dark to bright
CH 11	Pixel Control	0-10	OFF
		11-45	Red
		46-80	Green
		81-115	Blue
		116-150	Red/Green Mixed Color

		151-185	Red/Blue Mixed Color
		186-220	Green/Blue Mixed Color
		221-255	Red/Green/Blue Mixed Color

6. Technical Specifications

- **Input Voltage:** AC 110V-240V 50/60HZ (Powercon in/out)
- **Light Source:** 18x10W RGBW LEDs, 35x 0.3W RGB LEDs for Halo ring
- **Operation Modes:** DMX512, Auto program, Sound Active, & Master-Slave
- **Max Power Draw:** 195W
- **Dimmer:** 0-100% linear dimming control
- **Strobe:** 0-22Hz, synchronized, pulse effects
- **Temperature Controlled Intelligent Cooling System**
- **DMX Channels:** 11 DMX Channels (2 modes)
- **Data connection:** 3-pin XLR input/output
- **Display:** LED display w/ 4 control buttons
- **IP Rating:** IP19 rated
- **Fixture Lifetime:** ≥ 60000 Hours
- **Size:** 25cm x 18cm x 23cm / 9.9" x 7" x 9"
- **Net Weight:** 2.05 kg / 4.5 lb

7. Warranty

This product carries a 1-year manufacturer's warranty which covers factory defects or internal issues not caused by the owner/operator of the fixture. Misuse, physical damage, or any other issues caused by misuse by the customer are not covered under manufacturer's warranty. All warranty claims must be handled directly through the manufacturer and not the dealer. Original sales receipt required for all warranty claims. Submit all claims to Info@Acuelighting.com.

For more information about this product as well as all our other products please visit:

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