



# **DERBY-V1**

## **4-Head RGBW Derby with Dual Lasers**

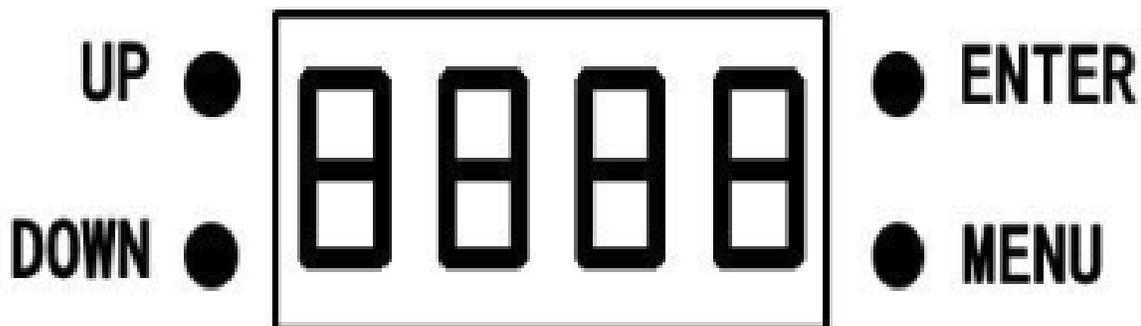
Multi-Effect DMX Stage Lighting

### **USER MANUAL**

# 1. Technical Specifications

<b>Operating Voltage</b>	AC 95-245V, 50/60Hz
<b>Power Consumption</b>	Max 80W
<b>LED Array</b>	4×15W RGBW 4-in-1 LEDs
<b>White Strobe</b>	2×10W white LEDs
<b>Purple LEDs</b>	4×3W purple LEDs
<b>Red Laser</b>	2×100mW
<b>Green Laser</b>	2×50mW
<b>Control Protocol</b>	DMX512 (12 channels)
<b>Operating Modes</b>	DMX, Master/Slave, Auto, Sound-Active, Remote Control
<b>DMX Channels</b>	12 channels
<b>Dimming</b>	0-100% electronic dimming
<b>Strobe Rate</b>	20Hz

## 2. Control Panel & Display



### 2.1 Button Functions

Button	Function
<b>MENU</b>	Navigate through main menu options
<b>UP</b>	Increase values or scroll up through options
<b>DOWN</b>	Decrease values or scroll down through options
<b>ENTER</b>	Confirm selection and save settings

### 3. Display Menu Instructions

No.	Display	Function	Description
1	d__	Set DMX start address (001-512)	Use UP/DOWN to modify address code for DMX or Master/Slave mode
2	A1-2	Integrated auto mode speed	Speed 1-9 (higher = faster / brighter)
3	E1-7	LED mode speed	
4	F1	Strobe mode speed	
5	P1	Purple light mode	
6	L1-2	Laser mode speed	
7	SOU_	Sound-active mode	Select between 2 sound modes
8	VOL_	Sound sensitivity	Speed 1-9 (higher = faster / brighter)
9	ir__	Remote control (On/Off)	Enable or disable IR remote function



#### Quick Tip:

- Press and hold **ENTER** for 5 seconds to access the remote control enable/disable submenu.

## 4. DMX Channel Configuration

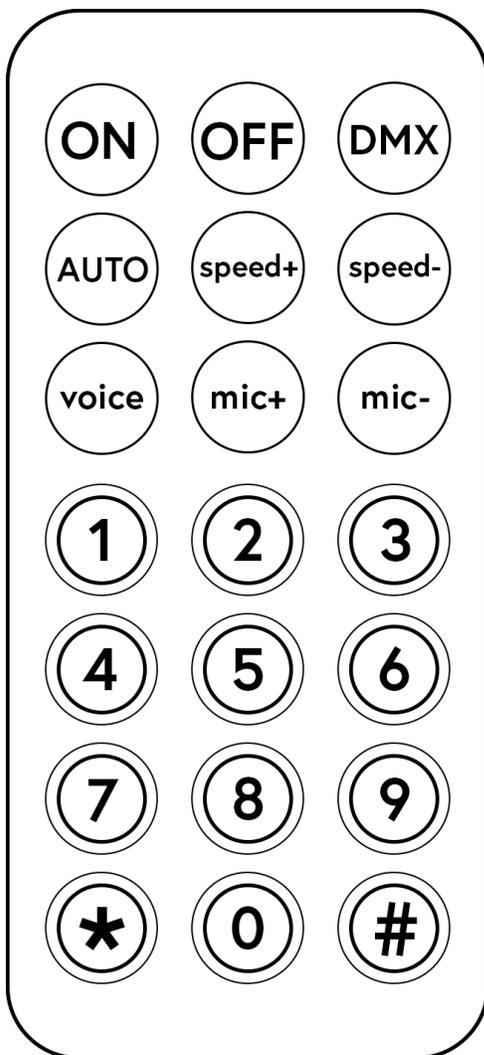
This fixture uses 12 DMX channels for complete control. Set the DMX start address using the d\_\_\_ menu option.

Ch	Function	Value	Description
1	LED Motor Rotation	0-127	LED motor positioning
		128-191	LED motor reverse rotation: Fast→Slow
		192-255	LED motor forward rotation: Slow→Fast
2	Master Dimmer	0	Lights off
		1-255	Overall brightness: 0-100%
3	Strobe	0	No strobe
		1-255	Strobe speed: Slow→Fast
4	Red	0	Red LEDs off
		1-255	Red LED intensity: 0-100%
5	Green	0	Green LEDs off
		1-255	Green LED intensity: 0-100%
6	Blue	0	Blue LEDs off
		1-255	Blue LED intensity: 0-100%
7	White	0	White LEDs off
		1-255	White LED intensity: 0-100%
8	Strobe LEDs	0	Strobe LEDs off
		1-255	Strobe speed: Slow→Fast
9	Purple LEDs	0	Purple LEDs off
		1-255	Purple LED intensity: 0-100%

Ch	Function	Value	Description
10	Lasers	0	Lasers off
		1-255	Laser intensity: 0-100%
11	Macro Control	0-55	CH1-CH10 valid (manual control)
		56-95	Monochrome color jump
		96-135	Mixed color jump 1
		136-175	Mixed color jump 2
		176-215	Sound-active mode 1
		216-255	Sound-active mode 2
12	Effect Speed/Sensitivity	0-255	<b>Speed &amp; Sensitivity</b> (when sound-active mode is active): Slow→Fast

## 5. Remote Control Operation

The included infrared remote control provides quick access to common functions.



### 5.1 Mode Control Buttons

Button	Function
ON	Turn lights on
OFF	Turn lights off
DMX	Switch to DMX mode
AUTO	Cycle through auto programs
VOICE	Activate sound-active mode

### 5.2 Adjustment Buttons

Button	Function
SPEED+	Increase program speed
SPEED-	Decrease program speed
MIC+	Increase sound sensitivity
MIC-	Decrease sound sensitivity

**IMPORTANT:** Before using the remote control, remove the plastic insulator tab from the battery compartment.

## 5.3 Direct Function Keys

Button	Function
<b>1</b>	Auto program (Combo)
<b>2</b>	Red LEDs only
<b>3</b>	Green LEDs only
<b>4</b>	Blue LEDs only
<b>5</b>	White LEDs only
<b>6</b>	LED auto program
<b>7</b>	Strobe mode
<b>8</b>	Purple LEDs only
<b>9</b>	Laser auto program
<b>0</b>	Sound-active mode
<b>*</b>	(Not assigned)
<b>#</b>	(Not assigned)