



DERBY-V1

4-Head RGBW Derby with Dual Lasers

Multi-Effect DMX Stage Lighting

USER MANUAL



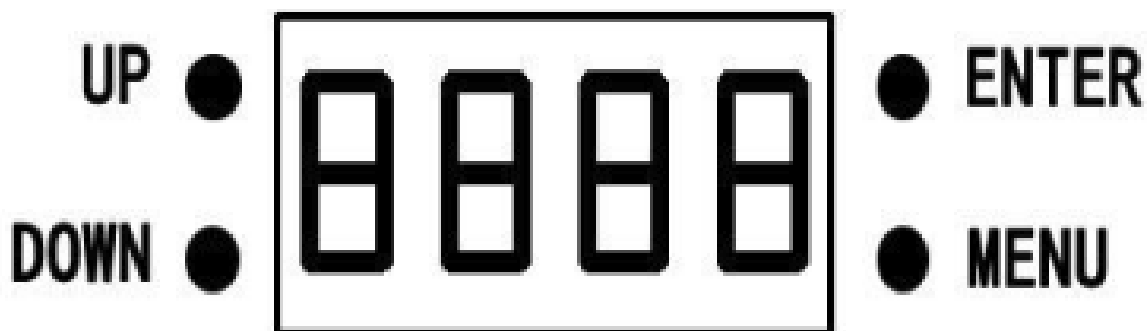
WARNING
Battery Hazard

Remote contains a button battery.
Keep away from children.

1. Technical Specifications

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

2. Control Panel & Display



2.1 Button Functions

Button	Function
MENU	Navigate through main menu options
UP	Increase values or scroll up through options
DOWN	Decrease values or scroll down through options
ENTER	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

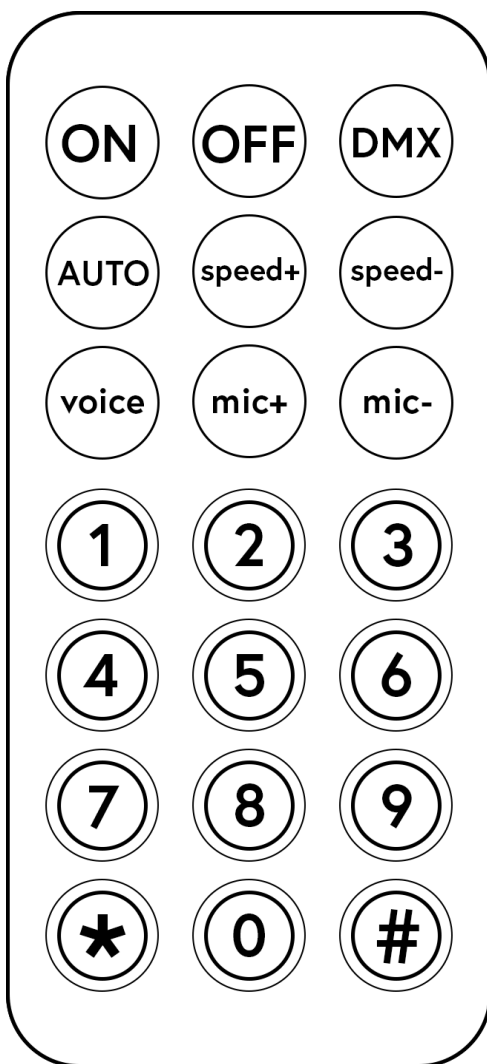
This fixture uses 12 DMX channels for complete control. Set the DMX start address using the d___ menu option.

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	Speed & Sensitivity (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
1	Auto program (Combo)
2	Red LEDs only
3	Green LEDs only
4	Blue LEDs only
5	White LEDs only
6	LED auto program
7	Strobe mode
8	Purple LEDs only
9	Laser auto program
0	Sound-active mode
*	(Not assigned)
#	(Not assigned)