

Derby 9

LED Light Effect

Item ref: 151.605UK

User Manual

Please read through this manual thoroughly before use, any damage
Caused by misuse of product will not be covered by warranty.



Thank you for choosing the Derby 9, a classic multi-colour derby effect with multiple beams twisting in formation. Nine different coloured 3 Watt LEDs deliver vivid coloured patterns, split through precision optics for wide area coverage. Control via DMX512 or infra-red remote control for auto program or sound activation offers versatile operation modes for mobile discos, stage shows may form part of a larger lighting installation.

In the box:

Your Derby 9 should arrive with you in a single carton in good condition. The carton should contain 1 x main unit with bracket, 1x remote control, 1 x UK IEC mains lead and 1 x manual.

Warning:

To prevent risk of fire or electric shock, do not expose the unit to rain or damp environments. In the event of a spillage, disconnect the mains and allow the unit to dry out naturally. Qualified personnel should then check the unit before continuing use.



Please do not open cover, contains high voltage. This product is not serviceable or repairable by the end user. Please refer to qualified personnel for service and repair.

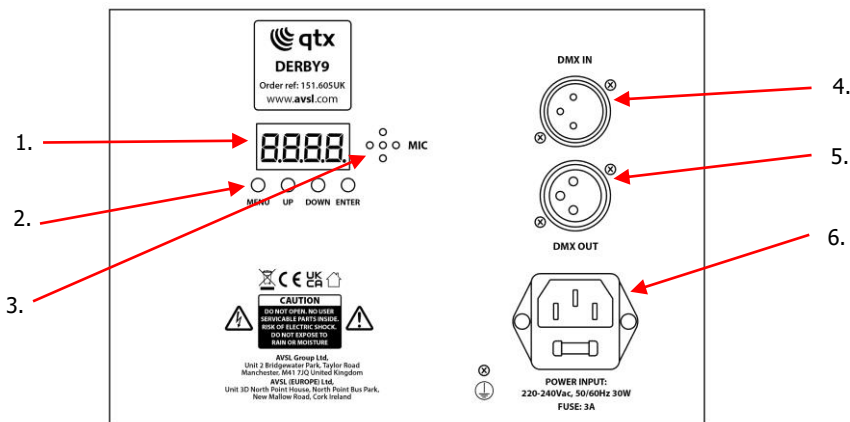


Placement:

- Use the included mounting bracket to fix to a stand or lighting truss
- Use secondary safety fixings if mounting overhead
- Keep away from damp or dusty environments
- Ensure adequate air-flow around the fixture housings
- Ensure adequate access to controls and connections

Cleaning:

- Use a soft cloth with a neutral detergent to clean the casing as required
- Use a vacuum cleaner to clear ventilation grilles of any dust or debris build-ups
- Do not use strong solvents for cleaning the unit



Rear panel controls:

- | | |
|---------------------------|---------------------|
| 1. LCD display | 4. DMX input |
| 2. Manual control buttons | 5. DMX output |
| 3. Microphone | 6. IEC mains socket |

Manual control menu:

Press the **"MENU"** button to enter the settings menu.

Press **"UP"** and **"DOWN"** buttons to navigate through various setting functions.

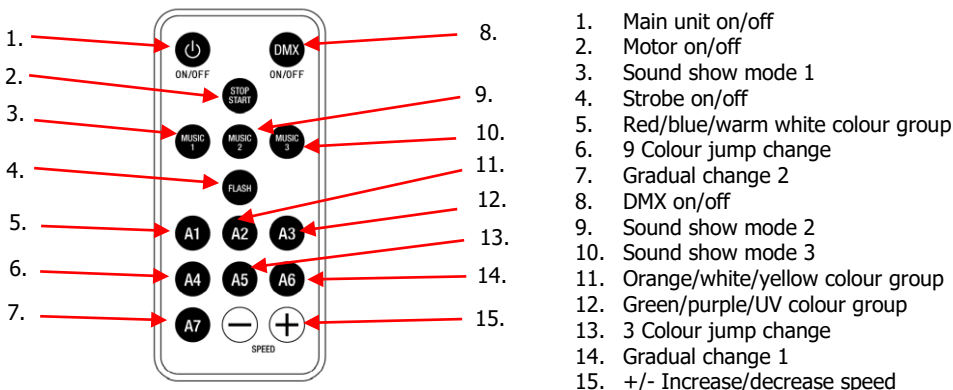
Press **"ENTER"** button to save the desired setting.

Mode	Function	Motor Speed	Control Effects
A1	Auto	1 to 9	Red + blue + warm white – ON/motor speed from slow to fast
A2			Amber + cool white + yellow – ON/motor speed from slow to fast
A3			Green + purple + UV – ON/motor speed from slow to fast
A4			9 Colour jump change/motor speed from slow to fast
A5			3 Colour jump change/motor speed from slow to fast
A6			Gradual change 1/motor speed from slow to fast/with no strobe effects
A7			Gradual change 2/motor speed from slow to fast/inc. strobe effects
S1	Sound	0 to 20	Sound mode/colour change/including strobe effects/light on/black out
S2			Sound mode/colour change/motor speed from fast to slow
SA		1 to 10	Sound mode

S3	1 to 20	Sound mode
FL	1 to 9	Strobe mode
SLAU	---	Slave mode
A001	001 to 512	DMX control

Remote control:

The Derby 9 is supplied with an I.R. remote control for quick access to most of the basic functions of the unit. This must be aimed at the front of the unit where there is a remote receiver and has a maximum range of approximately 4m. Controls are listed on the layout drawing below.



DMX mode:

The Derby 9 can be controlled by DMX signal, simply connect the DMX signal source to the DMX input on the unit via a balanced XLR lead. Extra fixtures can be controlled by the same DMX signal by looping through the DMX out on the unit. To enter DMX mode, select A001 from the menu and confirm the correct start address by using the "UP" and "DOWN" buttons and "ENTER" to confirm.

This unit has 7 DMX channels as indicated in the table below:

Channel	Function	DMX	Description
CH1	Master dimmer	0-7	Blackout
		8-255	0-100% linear dimmer
CH2	Red/blue/warm white group	0-7	Blackout
		8-255	0-100% linear dimmer
CH3	Amber/yellow Cool white group	0-7	Blackout
		8-255	0-100% linear dimmer
CH4	Green/purple UV group	0-7	Blackout
		8-255	0-100% linear dimmer
CH5	Strobe	0-10	No strobe
		11-255	Strobe (6 different speeds)
		0-5	Motor stop
CH6	Motor	6-127	Static position
		128-255	Oscillation (9 different speeds)
		0-9	Manual channels 1-6 available
CH7	Choose program	10-39	A1 - red/blue/warm white - ON/motor speed from slow to fast
		40-69	A2 - amber/cool white/yellow - ON/motor speed from slow to fast

CH7	Choose program	70-99	A3 - green/purple/UV - ON/motor speed from slow to fast
		100-129	A4 - 9 colour jump change/motor speed from slow to fast
		130-159	A5 - 3 colour jump change/motor speed from slow to fast
		160-189	Gradual change 1/motor speed from slow to fast/with no strobe effects
		190-219	Gradual change 2/motor speed from slow to fast/including strobe effects
		220-249	S1 - sound mode 1
		250-255	S2 - sound mode 2

Specifications:

Power supply	110-240Vac, 50/60Hz (IEC)
Power consumption	30W
Fuse rating	F3AL
LED quantity	9 x 3W
LED colour	Red, green, blue, amber, yellow, purple, WW, CW, UV
DMX connection	3-pin XLR in & out
DMX channels	7
Dimensions	200 x 162 x 140mm
Weight	1.1kg

Troubleshooting:

No power (mains)	Check mains voltage is correct and outlet is switched on
	Check IEC lead and fuse (if fuse continually blows, refer to your dealer)
No light output	Check control panel mode settings
	Check DMX settings from controller (dimmer levels, blackout etc.)
Unresponsive to DMX	Check that unit is in DMX mode and ensure DMX address remains lit to confirm receiving DMX signal
	Check DMX controller is not set to black out
	Check DMX controller is on correct fixture/page
	Check master dimmer value
	Check correct DMX address is set
Overheating/ cutting out	Check DMX connection and leads
	Ensure adequate ventilation and unit is not too close to a heat source



This product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life.
The goods must be disposed of according to your local council guidelines.

Errors and omissions excepted.

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