

## LED DERBY IV

### Classic Light Effect

Item ref: 151.600UK

User Manual

**Please read this manual thoroughly before use.  
Any damage caused by misuse of the product will void the warranty.**



Thank-you for choosing the QTX LED DERBY IV light effect. This is the latest generation of the classic Derby light effect with 4-colour output. Two high power 4-in-1 LEDs deliver vivid RGBW colour combinations which are split through precision optics to create a sharp multi-beam array. Internal programming offers auto and sound-activated operation with dual rotation and strobe effects. Ideal for lively and colourful coverage on dance floors or stage areas.

## 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 as it contains high voltage.  
This product is not serviceable or repairable by the end user.  
Please refer to qualified personnel for service or repair.



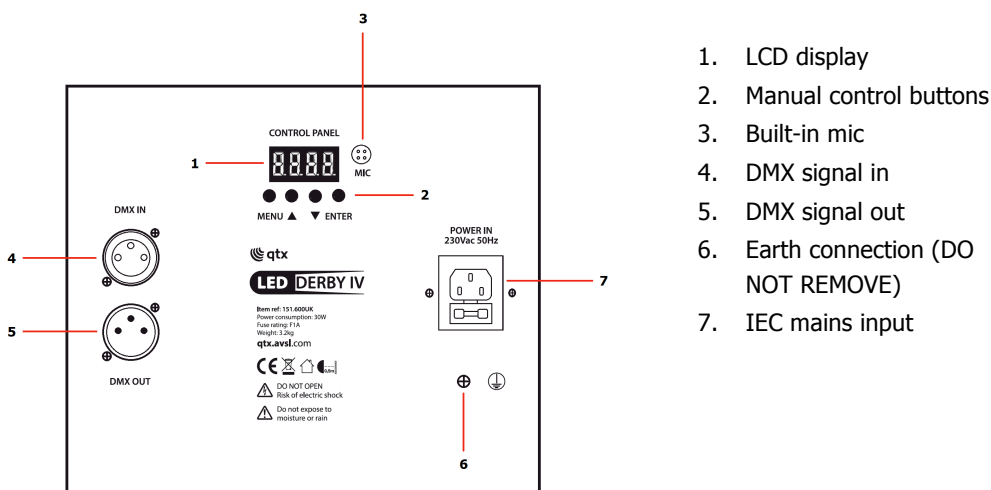
- Always check for correct voltage and make sure the IEC lead is in a good condition.
- Always ensure DMX leads are in good condition with no short connections or damaged plugs.

## Installation

Installation should be carried out by qualified personnel only and must comply to HSG95 guidelines. Before installation check all the functions are working correctly. When satisfied, disconnect the power from the unit. The product is supplied with a U bracket for overhead mounting. Avoid mounting light effect at head level. We advise the unit should be a minimum of 3m from the ground or stage, not directly projected into an audience, minimum of 50cm from any wall or other fixture to allow sufficient air ventilation.

- Strictly designed for indoor use only.
- Avoid installation in dusty or moist environments or near a source of heat.

## Product layout



## Manual control menu

Press the “menu” button to enter and navigate the settings menu, press “up” and “down” to change the value of the setting, press “enter” to confirm setting.

△□□□□△\_ - DMX initial address setting, press up and down to change the address value and press enter to confirm change of setting.

△\_ - auto mode 1, red LED only, press up and down to change the rotation speed.

△\_ - auto mode 2, green LED only, press up and down to change the rotation speed.

△\_ - auto mode 3, blue LED only, press up and down to change the rotation speed.

△\_ - auto mode 4, white LED only, press up and down to change the rotation speed.

△\_ - auto mode 5, RGBW 4 colour jump, press up and down to change the rotation speed.

△\_ - auto mode 6, mix colour jump, press up and down to change the rotation speed.

△\_ - auto mode 7, colour scroll, press up and down to change the rotation speed.

△\_ - auto mode, RGBW full on strobe, press up and down to change the rotation speed.

△\_ - sound to light mode 1, RGBW full on, press up and down to change the rotation speed.

△\_ - sound to light mode 2, mix colour jump, press up and down to change the rotation speed.

For master and slave connection, simply set master unit to auto/sound to light without DMX connected to it. Connect the DMX out of the master to DMX in of the slave unit, further slave units can be synchronised by daisy chaining the DMX signal from the slave unit.

## DMX operation

As well as manual control, DERBY IV can be also control through 7 DMX channels. Ensure DMX menu is selected at the back of the unit and correct DMX address value is entered. Connect your DMX signal to DMX in unit using a BALANCED XLR lead.

## DMX channel value reference:

Channel	DMX Value	Function
Channel 1	000-255	Strobe 0 – 100%
Channel 2	000-255	Red dimmer 0 – 100%
Channel 3	000-255	Green dimmer 0 – 100%
Channel 4	000-255	Blue dimmer 0 – 100%
Channel 5	000-255	White dimmer 0 – 100%
Channel 6	000-127	Rotation position
	128-255	Auto rotate, speed increase with value
Channel 7	000-009	N/A
	010-255	Auto mode, speed increase with value

## Maintenance

There are no end-user serviceable parts within the unit. To maintain a workable condition we advice dusting the unit on a regular basis. Before cleaning or dusting, always ensure the mains power cable is removed from the unit. Use a soft cloth, lightly dampened with water or mild detergent to wipe off the dust from the casing. DO NOT use spray on the case as droplets may enter the unit through the ventilation and cause damage to electronics inside. Remove the trapped dust from the ventilation holes of the unit with a vacuum cleaner with a brush attachment, a dust blower or a hand brush.

## Specifications

Power supply	100-240Vac, 50/60Hz (IEC)
Power consumption (Max)	25W
Fuse rating	F1A
LED type	2 x 10W 4-in-1 RGBW
DMX channels	7
Beam angle	150°
Dimensions	320 x 310 x 320mm
Weight	2kg
Laser & LED safety standard	BSEN62471:2008

## 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 LED display	Press any control panel button
No light output	Check control panel mode settings ensure it is not in DMX mode
	Check DMX settings from controller (dimmer levels, blackout etc.)
No strobe output	Check strobe mode settings is selected on control panel or from DMX controller strobe channel is switched on
Unresponsive to DMX	Check DMX connection and leads
	Check that DMX mode is enabled and initial address is set correctly
Overheating/ cutting out	Ensure that the unit is not too close to a heat source
	Ensure that adequate airflow is available for cooling



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.