COLLIDER

Item ref: 150.470UK
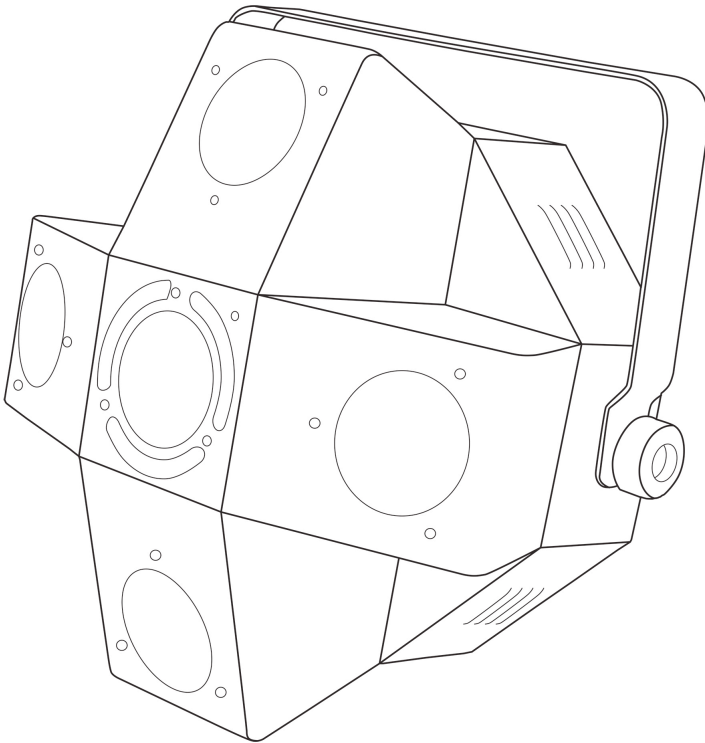
2-in-1 LED Light Effect

User Manual

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

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

The Collider is a stunning 2-in-1 professional LED light combining a traditional moonflower effect with a bright LED strobe.

With 5 lenses in total this light effect is a real room filler with an exceptionally wide beam angle perfect for mobile discos, bars and small nightclubs. The sound activation and auto modes are ideal for those wishing for simple 'plug and play' operation.

Multiple units can be linked together in master/slave mode to create stunning syncronised light shows. For those wishing for a little more control, the Collider has both a 4 & 8 channel DMX mode.

Other benefits of using LEDs include an exceptionally long lamp life and very cool operation meaning that the Collider can be run all night with no duty cycle.
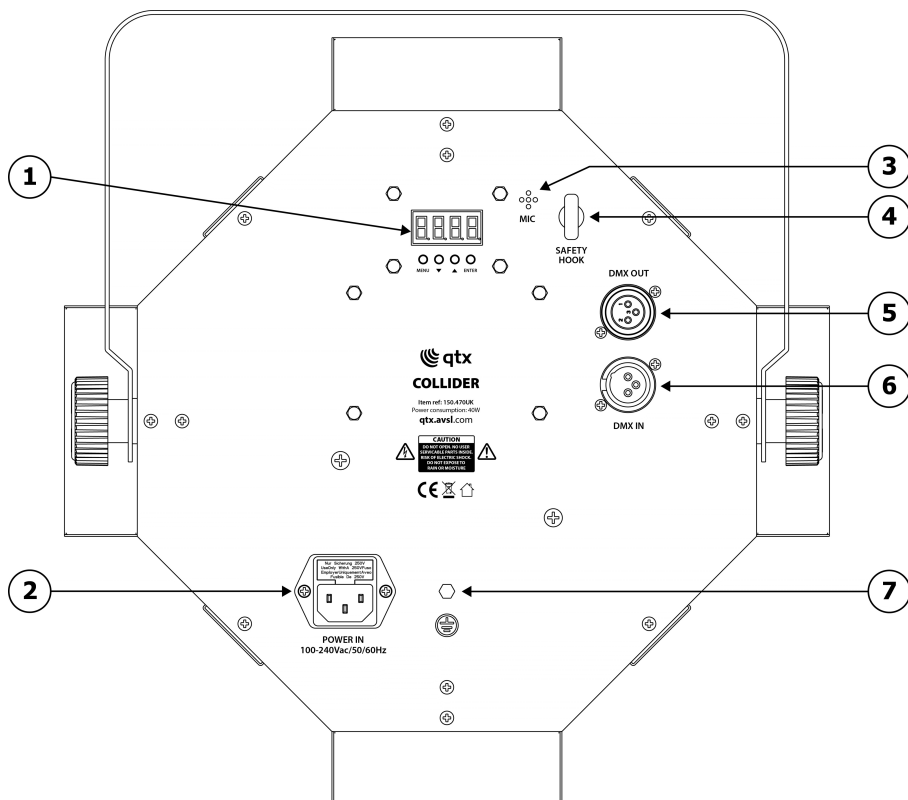
- LEDs in red, green, blue, white and amber project the classic moonflower effect
- 18 bright white LEDs surrounding the central lens create a strobe effect
- Auto, sound-to-light, DMX or master/slave controls
- 4 or 8 channel DMX control
- We recommend that this product is used within the guidelines HSG95

Specifications

Power supply	100-240Vac, 50/60Hz
Power	40W
Fuse rating	1A
Effect LEDs	25 x 1W (R,G,B,W,A)
Strobe LEDs	18 x 0.2W white
Beam angle	90°
DMX channels	4 or 8
DMX connection	XLRM in, XLRF out
Dimensions	390 x 390 x 270mm
Weight	4.6kg

In the box

1 x COLLIDER unit with bracket, 1 x UK IEC mains lead, 1 x wireless remote and 1 x manual.

1. LED display with 4 button controls (menu, up, down and enter)
2. IEC mains in
3. Microphone
4. I-bolt for secondary flying point
5. DMX signal out
6. DMX signal in
7. Earth binding (DO NOT UNSCREW)

Manual control menu

Press the "menu" button to enter the setting menu.
Press "up" and "down" to navigate through various setting options.
Press "enter" to enter the desired setting.
Choose set value by "up" and "down" buttons and confirm setting by pressing "enter"

Manual control menu modes

Mode	Program	Description
Auto	Au-1	Auto program 1
	Au-2	Auto program 2
	Au-3	Auto program 3
Sound (Sond)	So-1	Sound program 1
	So-2	Sound program 2
	So-3	Sound program 3
Speed (SPEd)	SP 1—SP9	Speed value for program adjustable
Sensitivity (SEnS)	Se 1—Se9	MIC value adjustable
Silent scene (SILE)	OFF	The fixture is open light on music by Sound program
	ON	The fixture is closed light on music by Sound program
Wireless Remote (InFr)	ON	Enable unit to receive IR remote signal
	OFF	Disable IR remote signal
DMX Channels (Addr)	4CH	4 channels DMX mode (d001~d512)
	8CH	8 channels DMX mode (d001~d512)
Slave mode	SLAV	Slave (use when in Master/Slave mode for 2nd, 3rd etc fixture when linked in a chain
Display	dISP	LED display Normal
	dSIP	LED display inverted

4 channel DMX value reference

CH1	0~9	No Function
	10~19	Red (Lens1-Lens5)
	20~29	Green (Lens1-Lens5)
	30~39	Blue (Lens1-Lens5)
	40~49	White (Lens1-Lens5)
	50~59	Amber (Lens1-Lens5)
	60~69	Group effect 1
	70~79	Group effect 2
	80~89	Group effect 3
	90~99	Group effect 4
	100~109	Group effect 5
	110~119	Group effect 6
	120~129	Group effect 7
	130~139	Group effect 8
	140~149	Group effect 9
	150~159	Group effect 10
	160~169	Group effect 11
	170~179	Group effect 12
	180~189	Group effect 13
	190~199	Group effect 14
	200~209	Group effect 15
	210~219	Group effect 16
	220~229	Group effect 17
	230~239	Group effect 18
	240~249	Group effect 19
	250~255	All lens with all colours
CH2	0~9	No function
	10~255	LED Strobe （from slow to fast）
CH3	0~9	No function
	10~255	SMD white LEDs Strobe （from slow to fast）
CH4	0~9	No function
	10~119	Auto DMX (from slow to fast)
	120~255	Sound DMX (from slow to fast)

8 channel DMX value reference

	0~9	No function
CH1 = Lens 1 **CH2 = Lens 2** **CH3 = Lens 3** **CH4 = Lens 4** **CH5 = Lens 5**	10~19	Red
	20~29	Green
	30~39	Blue
	40~49	White
	50~59	Amber
	60~69	Red + Green
	70~79	Red + Blue
	80~89	Red + White
	90~99	Red + Amber
	100~109	Green + Blue
	110~119	Green + White
	120~129	Green + Amber
	130~139	Blue + White
	140~149	Blue + Amber
	150~159	Red + Green + Amber
	160~169	Red + Blue + Amber
	170~179	Green + Blue + Amber
	180~189	Green + White + Amber
	190~199	Red + White + Amber
	200~209	Green + Blue + White + Amber
	210~219	Red + Blue + White + Amber
	220~229	Red + Green + White + Amber
	230~239	Red + Green + Blue + White
	240~249	Red + Green + Blue + Amber
	250~255	Red + Green + Blue + White + Amber
CH6	0~9	No function
	10~255	LED Strobe （from slow to fast）
CH7	0~9	No function
	10~255	SMD white LED （from slow to fast）
CH8	0~255	Auto DMX / Sound DMX (from slow to fast)

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 and check LED setting in menu
No light output	Check control panel mode settings (standby, slave, sensitivity, DMX)
	Check DMX settings from controller (dimmer levels, blackout etc.)
No strobe output	Check strobe settings on control panel or from DMX controller
Unresponsive to DMX	Check DMX connection and leads
	Check that DMX mode is enabled (set "Addr" on control panel)
Overheating/ cutting out	Ensure that the unit is not too close to a heat source

IR Remote Control

BLACK OUT Mode
Press BLACK OUT off existing modes, Press again BLACK OUT return the last mode.

AUTO Mode
Automatic mode will enable you to run the automatic programs on the product.
To turn on Automatic mode:
1. Press <AUTO> on the IRC.
2. Press <+> or <−> to choose between the different auto programs.

SOUND Mode
Sound-active mode will enable the product to respond to the music.
To turn on Sound-active mode:
1. Press <SOUND> on the IRC.
2. Press <+> or <−> to choose between the different SOUND programs.

STROBE Mode
To adjust the strobe speed of the automatic program and the sound
active program
1. Press <STROBE> on the IRC.
2. Press <+> or <−> to either increase or decrease the speed of the program.
3. Press <STROBE> again to turn off the strobe.

SPEED Mode
To adjust the speed of the automatic program and the sound-active program.
1. Press <SPEED> on the IRC.
2. Press <+> or <−> to either increase or decrease the speed of the program.

SENSITIVITY Mode
To adjust sound sensitivity in sound-active mode
1. Press <SENSITIVITY> on the IRC.
2. Press <+> or <−> to either increase or decrease sound sensitivity.
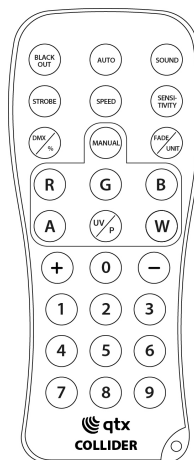
DMX Mode
To enable DMX or disallow DMX on the product.
 Press <DMX> on the IRC, the product will work on the DMX controlling modes.

MANUAL Mode
1. Press <MANUAL> on the IRC.
2. Press <R>, <G>, <B>, <W>, <A> (red, green, blue, white or amber) to choose your colour.
3. Press <+> or <−> to either increase or decrease the in-built group colour.

Errors and omissions excepted.
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