

Ensure the product is used only with correct voltage and frequency of mains supply.

Never connect the charger or charging case to a dimmer circuit, even when a dimmer has been configured for 'non-dim' or 'switched' operation.

- **Turn the unit OFF** before connecting to the charger
- Never close the lid during charging; this allows escape of heat
- Only use the supplied charger or charging case
- External chargers should be plugged into the six pin connector on the front of the unit
- For best results recharge battery fully before storage
- Switch off the charger unit and unplug once fully charged
- While charging the LED indicator will illuminate in AMBER
- Once fully charged the LED indicator will show GREEN

DO NOT use any charger other than the unit supplied with the QolorPoint.



Charging



Charged

When using a charging flight case, ensure the unit is pushed fully down on the charging connector and the protruding screws are located in their positioning holes. Rotate the fixture slightly until it drops into these positioning holes. The charge light on top of the unit should illuminate to signify this has been done.

User Interface



Power

- Push and hold this power button for >1 second to switch the unit ON or OFF
- The display will show "CTI" and the software version for a few seconds before starting
- The display backlight will turn off after a short time to reduce power use

This six button pad is the main control interface for the QolorPoint Wireless Uplighter. The button functions are SET SHOW ID, FUNCTION, DOWN, UP, ENTER, and POWER.

External Power (Optional Accessory)






An optional QolorPoint AC power supply adapter CAT# 7024 is available as an accessory to drive the QolorPoint from mains voltage 100-250VAC 50/60Hz.

- Connect this to the charging/power port in the front of the unit.
- The device supplies 24VDC to the QolorPoint which replaces battery power.
- Battery is disconnected while the Power Supply is plugged in so will not be charged or discharge.

Function Modes

There are four modes of Operation, accessed through the **FUNCTION** menu;

Custom Color	This mode allows the fixture to output a static Red, Green, Blue or White color, or any combination thereof; each color may be set to any value 0 to 255. Any SHoW DMX signal, if present, is ignored.
Static	In this mode the fixture outputs a static LEE or preset 'cc' color as selected. The selection is remembered if the unit is switched off then back on or put into another mode. Any SHoW DMX signal, if present, is ignored.
DMX	In this mode the fixture is under control of SHoW DMX so may be controlled by a SHoW DMX compatible device or DMX compatible device with a SHoW DMX transmitter attached. The options available within DMX mode are described in more detail below.
Effects	In this mode the fixture generates a number of special effects. The speed of effect types can be adjusted from 1 to 10.


To change Function press . Use the  buttons to select "CHANGE Function" and press  to accept. Then use the  buttons to select the required function as above and press . The four modes of operation are discussed in more detail below.


All of these adjust the brightness settings for each color.

Custom Color Mode Operation

Custom Colors

When in Custom Color mode, the display indicates the current selected color

Simply press  to step through the colors or accept a color value.

Use  keys to change the value.

Value range 0 to 255.

Tip: Mix red & blue for purple/pink

Tip: Mix red & green for orange/yellow




Tip: Mix red & green with White for warm shades of white.



Static Mode Operation

Static operation

When in STATIC mode the display indicates the current selected color.

To change the current selected color press .

The last character of the currently selected color is underlined.

Use the   keys to select a color from the built-in library of 70 pre-programmed colors, including 60 popular LEE Filter Colors

The color changes when cycling through the available options. The selected color is only saved when <ENTER> is pressed. If <ENTER> is not pressed, the color reverts to the previously selected color after 8 seconds.

Available colors

cc001	White	Lee075	Evening Blue	Lee157	Pink
cc002	Half Flesh Tone	Lee089	Moss Green	Lee159	No Color Straw
cc003	Full Flesh Tone	Lee100	Spring Yellow	Lee162	Bastard Amber
cc004	Half Mint Green	Lee101	Yellow	Lee170	Deep Lavender
cc005	Mint Green	Lee102	Light Amber	Lee174	Dark Steel Blue
cc006	Half Ice Blue	Lee103	Straw	Lee181	Congo Blue
cc007	Full Ice Blue	Lee104	Deep Amber	Lee192	Flesh Pink
cc008	Soft Red	Lee106	Primary Red	Lee199	Regal Blue
cc009	Soft Green	Lee107	Light Rose	Lee323	Jade
cc010	Soft Blue	Lee108	English Rose	Lee341	Plum
		Lee113	Magenta	Lee345	Fuchsia
Lee002	Rose Pink	Lee115	Peacock Blue	Lee353	Lighter Blue
Lee009	Pale Amber Gold	Lee117	Steel Blue	Lee652	Urban Sodium
Lee010	Medium Yellow	Lee118	Light Blue	Lee722	Bray Blue
Lee013	Straw Tint	Lee119	Dark Blue	Lee724	Ocean Blue
Lee015	Deep Straw	Lee121	Lee Green	Lee738	Jazz Green
Lee017	Surprise Peach	Lee126	Mauve	Lee765	Lee Yellow
Lee019	Fire	Lee127	Smoky Pink	Lee776	Nectarine
Lee020	Medium Amber	Lee135	Deep Amber Gold	Lee777	Rust

Lee024	Scarlet	Lee136	Pale Lavender	Lee779	Bastard Pink
Lee026	Bright Red	Lee138	Pale Green	Lee789	Blood Red
Lee046	Dark Magenta	Lee139	Primary Green	Lee793	Vanity Fair
Lee058	Lavender	Lee147	Apricot	Lee795	Magical Magenta
Lee068	Sky Blue	Lee153	Pale Salmon		

DMX Mode Operation

DMX Operation



City Theatrical QolorPoint is equipped with a SHoW DMX Neo wireless radio transmitter and receiver. This allows the fixture color to be set up by or synchronized with sequences produced by a DMX lighting controller or other QolorPoint unit when in Receive, or SLAVE mode.



A blue rectangular screen displaying the text "FUNCTION DMX" in white, centered.

Alternatively when in MASTER mode the unit can be linked to many Slave units which will then duplicate everything output from the Master.

If not using a QolorPoint as a Master unit then a compatible SHoW DMX transmitter attached to a DMX controller is necessary, available separately.

When the 'Function DMX' screen is shown, after a few seconds the screen automatically reverts to the last mode used, either Master or Slave. By pressing the  button the 'DMX Type' screen is shown, which allows the user to select the opposite mode using  button.



A blue rectangular screen displaying the text "DMX TYPE MASTER" in white, centered.

DMX Master Operation

Once Master mode is set, the Master may transmit to any number of slaves by selecting a matching SHoW ID using the SHoW DMX ID button.



A blue rectangular screen displaying the text "DMX MASTER" in white, centered.

DMX Slave Operation

When in DMX Slave mode the display will show the current active DMX Start Address so the unit can be controlled from elsewhere.



A blue rectangular screen displaying the text "SET DMX ADDR: 001" in white, centered.

The number of channels occupied is dependent on the **"DMX MODE"** setting (4 or 5 channels may be used by the fixture).

In this mode the entire universe is output on a side connector pin, for which a connector cable is available from City Theatrical Inc. for connection to other non-wireless fixtures.




DMX Mode

The QolorPoint has 2 modes of operation.

From the **“CHANGE Settings”** menu select the **“5th DMX CHANNEL”** option as follows:

Mode	Chan	Function	Notes
5th CHAN Off	1	Red	This mode disables master dimmer. Each of the color values may be set from 0 to 255.
	2	Green	
	3	Blue	
	4	White	
5th CHAN M. Fader	1	Red	This mode enables the fixture's overall color, set on channels 1 to 4, to be dimmed. Values are 0 to 255, where 255 represents 100% output.
	2	Green	
	3	Blue	
	4	White	
	5	Dimmer (0-100%)	



DMX Start Address


To set the DMX start address press  button when the display shows the current address. Use the  buttons to select the new start address then  to confirm.

Built-In Effects

The QolorPoint is now equipped to generate a number of special effects as a stand-alone unit when DMX is placed in Slave Mode or will output these to a number of connected slave units when DMX is in Master Mode.

By pressing the  button the last used effect type is brought up, which can then be changed using the  buttons.

By pressing the  button to confirm the effect type, the speed can be adjusted from a range 1 to 10 using the  buttons.

When confirmed with the  button the screen reverts to show the effect and speed.

FUNCTION
EFFECT

TYPE:
R'ROW 1

EFFECT
R'ROW 10

SPEED:
01

SHoW DMX SHoW ID Settings

The QolorPoint uplighter uses the 5792M SHoW DMX Neo with Max Technology Radio Module. It is permanently configured with six SHoW ID options for Adaptive Spread Spectrum Frequency Hopping and Neo Low Latency broadcast mode. The SHoW ID can be changed by pressing the SHoW DMX ID button on the control panel of the QolorPoint uplighter.

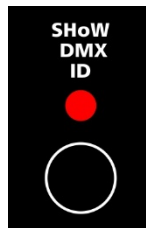
Color	SHoW ID	Description
Green	201	Neo Adaptive
Cyan	102	Neo Full Bandwidth
Magenta	117	Neo Low Limited Bandwidth
White	133	Neo Mid Limited Bandwidth
Red	149	Neo High Limited Bandwidth
Yellow	165	MAX Technology™

For QolorPoint Slave units to communicate with Master QolorPoint units or a lighting control desk, equipped with a SHoW DMX transmitter connected to its DMX output, the SHoW ID LED color has to be the same.

This allows a group of QolorPoint fixtures to be controlled from the lighting desk or Master unit using the built-in color cycles or set up individually selected colors across many units at once from just one Master unit.

SHoW DMX ID LED

The SHoW DMX LED color signifies the SHoW ID it is set to and indicates presence of DMX data.



Description for operation in Slave mode:

If the LED is FLASHING, the QolorPoint is not receiving DMX from a SHoW DMX transmitter.

If the LED is STEADILY ILLUMINATED the QolorPoint is connected with, and receiving DMX from a SHoW DMX transmitter. This is a fully connected and fully functioning system.

Configuring with SHoW DMX Transmitter unit or QolorPoint Master unit

- Switch on the QolorPoint
- Set one unit to Master Mode and other units to Slave Mode
- Set the SHoW IDs on both Slave and Master to the same ID.
- Units will automatically connect when set to the same ID

For successful connection the receiver must fulfill the following conditions:

Distance to transmitter (outdoors, and depending on conditions)

- Less than 1,500ft. for SHoW Baby or SHoW DMX Neo Transceiver

Distance between Master unit and Slave unit

- Less than 300ft

Position above obstacles (e.g. crowds and trees)

- Minimum 3ft

SHoW ID configuration between Slave and Master is remembered after power off or the battery is depleted.

This allows the system configuration to be set up in a warehouse and the whole system simply switched on at the site, which makes deployment very simple.

Additional Settings

A number of additional settings may be accessed within the menu system:

Power Mode

Under the “**CHANGE Settings**” menu QolorPoint has two power modes that can be selected:

Power LongLife 50% Power



Power Normal Full Power

The “Normal” option provides maximum light output at the cost of reduced battery life.

“LongLife” reduces the LED output by 50%, therefore enables 2 x running period for ALL FUNCTIONS, whether stand-alone or DMX.

To change the power mode press  and use the  buttons to select “**CHANGE Settings**” then press .




Use the  buttons to select “**POWER MODE**” and press  to select.

Use  buttons to toggle between “Norm” and “LongLife” then press  to save changes. This setting affects all Static, Custom Color and DMX modes so that the battery life of each unit can be individually set, irrespective of what’s controlling it.



Brightness Control

Under the “**CHANGE Settings**” menu QolorPoint has a separate brightness control that can control the output of the unit in stand-alone mode:

The value may be changed from 0 to 100% in 1% increments:

Press  and use the  buttons to select “**CHANGE Settings**” then press  to accept.



Use the  buttons to select “**BRIGHTNS CONTROL**” and press  to select.


Use  buttons to toggle between “0%” and “100%” then press  to save changes. This setting adjusts Static and Custom Color modes only. DMX mode remains unchanged as the unit remains under external control.

PWM Frequency Control

For HD TV work QolorPoint is equipped with an option to adjust the PWM frequency of the LEDs to prevent ‘beating’ with the TV scan frequency.


To enable soft dimming press  and use the  buttons to select “**CHANGE Settings**” then press  to select.


Then use the  buttons to select “**PWM Freq**” and press  to select from value 488Hz to 3.9kHz.

Press  to save changes and the screen will revert to showing the 'Function' mode.

Keypad Lock

The keypad may be locked to prevent tampering or inadvertent adjustment of the unit.

To Lock: Hold down the  while switching ON the unit to Lock.

To Unlock: First switch OFF the unit. Hold down the  while switching ON the unit to Unlock.

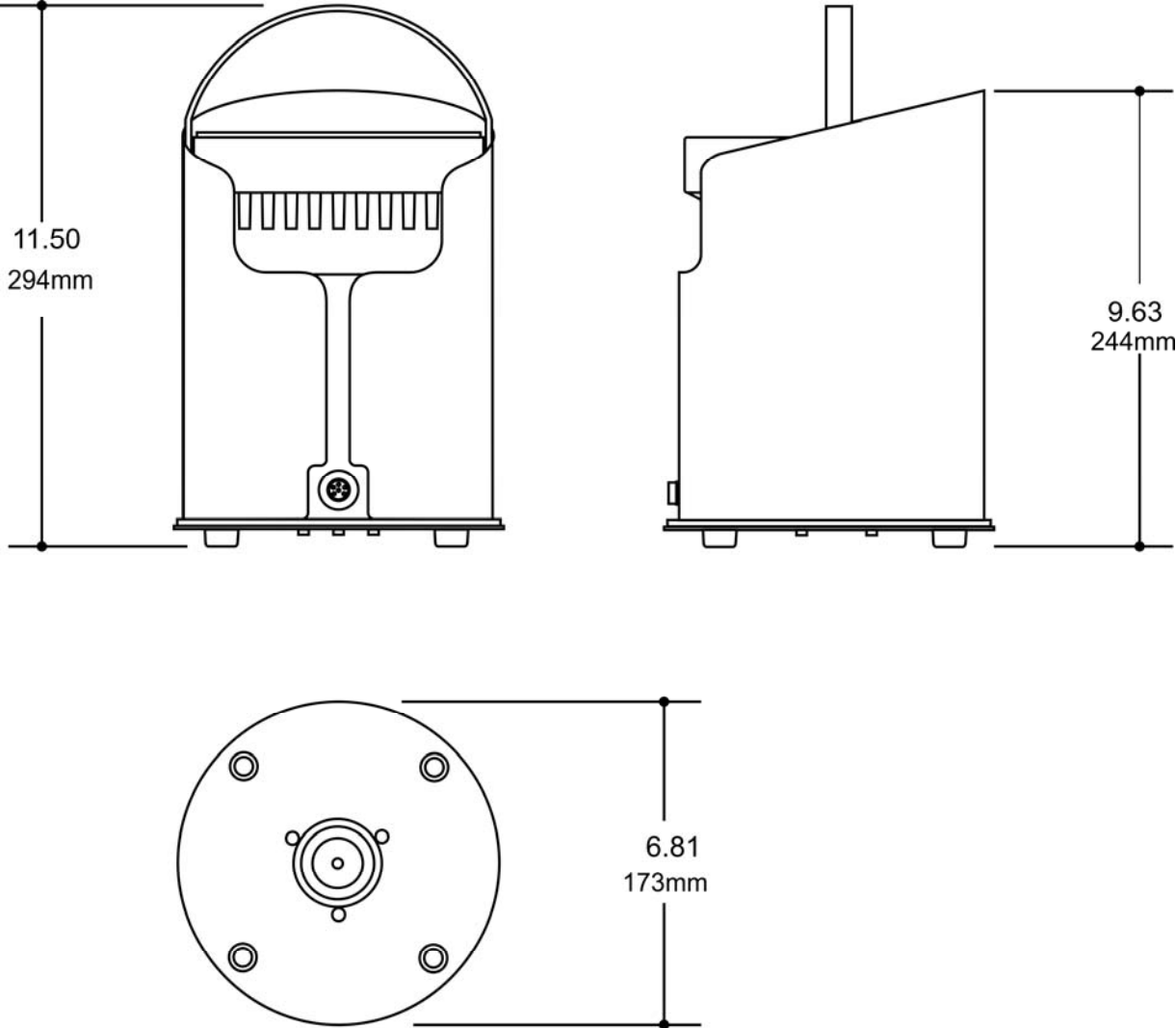
Mechanical

Locking

The unit may be locked to a nearby object by passing a locking wire or padlock through the locking holes in the top or bottom plates.

A Kensington Lock point is also provided on the bridle assembly holding the head in place.

Dimensions



Warranty

City Theatrical Incorporated (City Theatrical) warrants this product to be free from defects in materials and workmanship (subject to the terms set forth below).

City Theatrical will repair or replace (at City Theatrical's option) this product or any defective parts in this product. The standard warranty period is 12 months from date of purchase, although this period may vary from country to country. If in doubt consult your dealer and ensure that you retain proof of purchase.

To obtain warranty service, please contact the City Theatrical authorized dealer from which you purchased this product. If your dealer is not equipped to perform the repair of your City Theatrical product, it can be returned directly to City Theatrical, with carriage being paid at your own expense. You will need to ship this product in either its original packaging or packaging affording an equal degree of protection. Providing the product is found to be faulty, City Theatrical will pay for return carriage.

Proof of purchase in the form of a bill of sale or receipted invoice, which is evidence that this product is within the warranty period, must be presented to obtain warranty service.

This Warranty is invalid if (a) the factory-applied serial number has been altered or removed from this product or (b) this product was not purchased from a City Theatrical authorized dealer.

This Warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, or modification of, or to any part of, the product. This Warranty does not cover damage due to improper operation, maintenance or installation, or attempted repair by anyone other than City Theatrical or a City Theatrical dealer, or authorized service agent which is authorized to do City Theatrical warranty work. Any unauthorized repairs will void this Warranty. This Warranty does not cover products sold AS IS or WITH ALL FAULTS.

REPAIRS OR REPLACEMENTS AS PROVIDED UNDER THIS WARRANTY ARE THE EXCLUSIVE REMEDY OF THE CONSUMER. CITY THEATRICAL SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY IN THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY LAW, THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES WHATSOEVER INCLUDING, BUT NOT LIMITED TO, THE WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PRACTICAL PURPOSE.

For any service, in or out of warranty, please contact your dealer.