Quick Start Guide

Celeb 250/450/450Q LED DMX

(True Match® Firmware 5.0)

(RDM)

KINO FLO
Lighting Systems

Celeb LED DMX Systems

Center Mount

CEL-250CU	Celeb 250 LED DMX Center, Univ
CEL-450CU	Celeb 450 LED DMX Center, Univ

Yoke Mount

CEL-250YU	Celeb 250 LED DMX Yoke, Univ
CEL-450YU	Celeb 450 LED DMX Yoke, Univ
CEL-450QU	Celeb 450Q LED DMX Yoke, Univ

Pole-Op

CEL-250PU	Celeb 250 LED DMX Pole-Op, Univ
CEL-450PU	Celeb 450 LED DMX Pole-Op, Univ
CEL-450QPU	Celeb 450Q LED DMX Pole-Op, Univ

Included w/ all Celeb Models
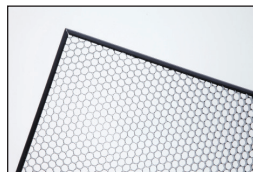
LVR-CE290-P	Celeb 250 Louver/HP, 90°
LVR-CE490-P	Celeb 450 Louver/HP, 90°
LVR-CE490-QP	Celeb 450Q Louver/HP, 90°

Celeb 250 LED DMX Kit

KIT-C250U
Celeb 250 LED DMX Center Mount Kit, Univ

Kit Contents:
1 Celeb 250 LED DMX Center Mount
1 Flight Case

Weight: 31 lb (14kg)
Dimensions: 29 x 10.5 x 17" (74 x 27 x 43cm)

Celeb 450 LED DMX Kit

KIT-C450U
Celeb 450 LED DMX Center Mount Kit, Univ

Kit Contents:
1 Celeb 450 LED DMX Center Mount
1 Flight Case

Weight: 52.5 lb (24kg)
Dimensions: 53.5 x 11 x 16.5" (136 x 28 x 42cm)

Celeb 450Q LED DMX Kit

KIT-C450QU
Celeb 450Q LED DMX Yoke Mount Kit, Univ

Kit Contents:
1 Celeb 450Q LED DMX Yoke Mount
1 Jr. Pin
1 Ship Case

Weight: 52 lb (24kg)
Dimensions: 34.5 x 8.5 x 33" (88 x 22 x 84cm)

Fixture Power

AC Input

The Celeb is powered AC and includes an IEC connection. A locking power cord is included with the fixture. To remove the plug, move the red tab to release. The fixture has a built-in power supply with universal input from 100-240VAC.

Note: The Celeb 250 is shown for example purposes only. The IEC power cords for the Celeb 450 and 450Q are in a different location.

DC Input

The Celeb 250 can also be operated on 24VDC (input range 18-36VDC) through a 3-Pin XLR. A low voltage warning will display "**LPWR**" when the battery is running low.

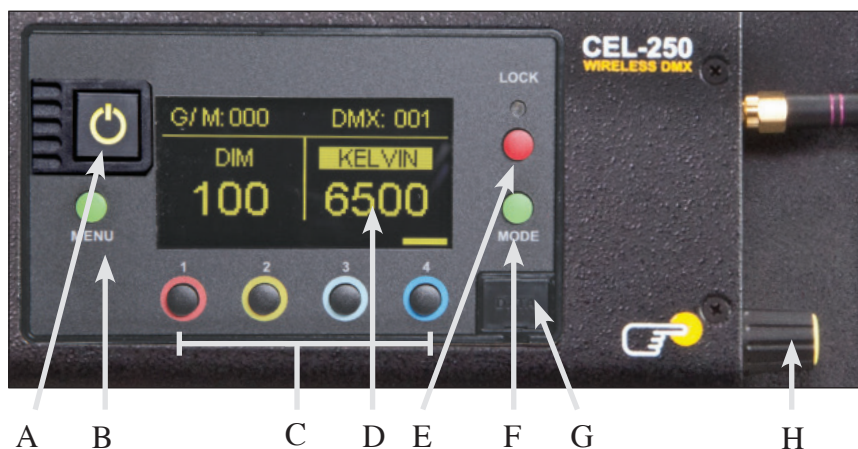The pin polarity is:
Pin #1 – Ground
Pin #2 + 18-36VDC
Pin #3   not used

Note: DC input not available on Celeb 450 or 450Q.

Ambient Operating Temperature

The Celeb is designed to operate at temperatures from 14°F to 104°F (-10°C to 40°C).

Control Panel - White Mode

A   B   C   D   E   F   G   H

A) On /Off: **On** = Green light displayed. **Off** = Red light displayed. The display and all menu settings can be operated while the power button is in the Off position, as long as power is applied to the controller. The On /Off button only controls the light source.

B) Menu: Provides access to menu options such as General settings, Reset, DMX, DMX Wireless, Camera LUT and Color Space.
Shortcut: While on control screen, press and hold for 3 seconds to switch through menus (**White, Gels & Hue, RGB, CIE xy** and **FX**).

C) Preset Buttons: Factory defaults left to right are: 2700K, 3200K, 5000K and 6500K. G/M default value is 000. User can also use these preset buttons to store custom Kelvin and G/M settings.

D) Display: Provides access to Dim, Kelvin, G/M, and DMX channel.
Factory reset will show: Dim = 10%, Kelvin = 2700K, G/M = 000, DMX = 001.

E) Lock: Press the **Lock** button to disable all buttons and Control knob.
Press for 3 seconds to restore displayed presets to default factory settings.

F) Mode: Press to navigate from Dim to Kelvin and G/M settings.
When in sub-menus, pressing Mode always returns you to main display.
When DMX is applied, use Mode to access DMX channel on main display.
Shortcut: Long press will bring you back one step.

G) Data Port: Mini B USB for firmware updates.

H) Control Knob: Manually adjusts Dim, Kelvin, G/M levels and DMX address.
Press the Control knob to toggle between **Fine** and **Coarse** increments or when selecting options within menus.

DMX Note: Each LED Fixture has an **"AUTO TERMINATE"** feature. The last fixture that does not have an XLR cable attached to the DMX "Out" port will automatically terminate.

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Control Panel - Gels/Hue Mode

Gels/Hue Mode

A) Menu:
Provides access to menu options such as General settings (**Gels/Hue** Mode), Reset, DMX, DMX Wireless, Camera LUT and Color Space.
Shortcut: While on control screen, press and hold for 3 seconds to switch through menus (**White, Gels & Hue, RGB, CIE xy** and **FX**).

B) Preset Buttons:
Factory defaults left to right are: 2700K, 3200K, 5000K and 6500K. G/M default value is 000. User can also use these preset buttons to store custom Kelvin between 2500K and 9900K and custom G/M, Gel, Hue and Saturation settings.

C) Display:
Provides access to Dim, Kelvin, G/M, Gel, Hue/Saturation and DMX channel. Factory reset will show: Dim = 10%, Kelvin = 2700K, G/M = 000, DMX = 001.

D) Mode:
Press to navigate from Dim to Kelvin, G/M, Gel, Hue and Saturation settings. When on the Gel function, pushing the Control knob in/out will apply the gel or remove the gel. When in sub-menus, pressing Mode always returns you to main display. When DMX is applied, use Mode to access DMX channel on main display. Shortcut Tip: Long press will bring you back one step.

Control Panel - RGB Mode

A   B   C   D

RGB Mode

A) Menu:
Provides access to menu options such as General settings (**RGB Mode**), Reset, DMX, DMX Wireless, Camera LUT and Color Space.
Shortcut: While on control screen, press and hold for 3 seconds to switch through menus (**White, Gels & Hue, RGB, CIE xy** and **FX**).

B) Preset Buttons:
Factory defaults left to right are: 2700K, 3200K, 5000K and 6500K.
G/M default value is 000. User can also use these preset buttons to store custom Kelvin between 2500K and 9900K and custom G/M, and RGB settings.
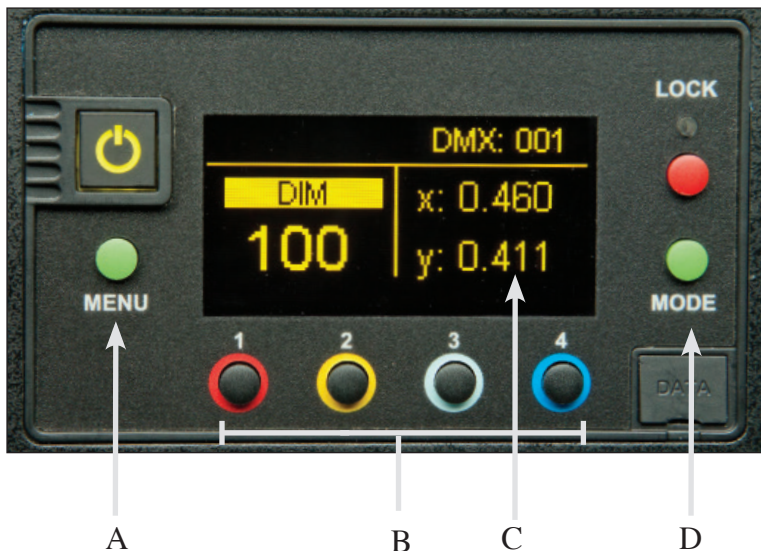
C) Display:
Provides access to Dim, Kelvin, G/M, RGB and DMX channel.
Factory reset will show: Dim = 10%, Kelvin = 2700K, G/M = 000, DMX = 001.

D) Mode:
Press to navigate from Dim to Kelvin, G/M, RGB settings.
When in sub-menus, pressing Mode always returns you to main display.
When DMX is applied, use Mode to access DMX channel on main display.
Shortcut: Long press will bring you back one step.

Control Panel - CIE xy

A   B   C   D

CIE xy Mode

A) Menu:
Provides access to menu options such as General settings (**CIE xy mode**), Reset, DMX, DMX Wireless, Camera LUT and Color Space.
Shortcut: While on control screen, press and hold or 3 seconds to switch through menus (**White, Gels & Hue, RGB, CIE xy** and **FX**).

B) Preset Buttons:
Factory defaults left to right are: 2700K, 3200K, 5000K and 6500K.
User can also use these preset buttons to store custom xy settings.

C) Display:
Provides access to Dim, CIE xy coordinates and DMX Channel.
Factory reset will show: Dim = 10%, x = 0.460 , y = 0.411, G/M = 000, DMX = 001.

D) Mode:
Press to navigate from Dim to xy settings. When in sub-menus, pressing Mode always returns you to main display. When DMX is applied, use Mode to access DMX channel on main display. Shortcut: Long press will bring you back one step.

Control Panel - FX (Effects)

A   B   C
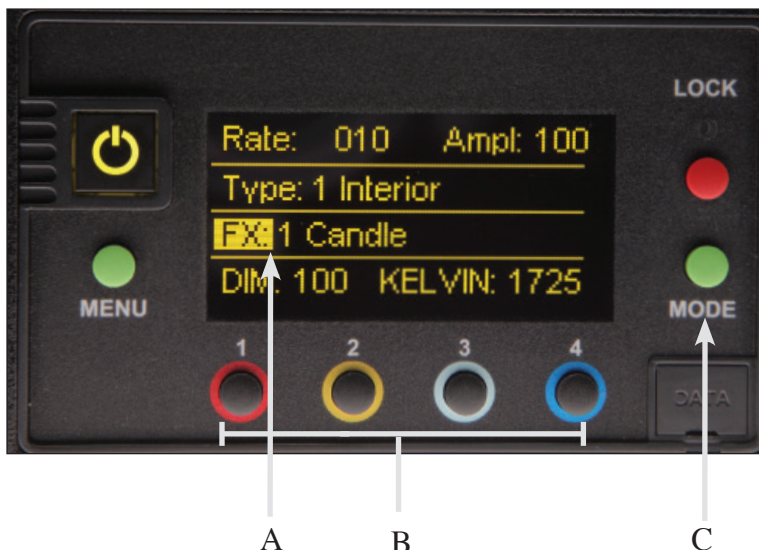
FX (Effects) Mode

FX mode provides access to effects including Candle, Fire, TV, Police, Lightning, Paparazzi, Pulse and Scroll. Candle mode used as an example:

A) FX Option:
   Choose the desired FX Mode by rotating the control knob. When on the desired effect, there will be several pre-programed effects as well as control parameters that can be altered.

B) Preset Buttons:
   In FX Mode, **Kelvin** custom settings and any control functions displayed such as **Rate** and **Amplitude (Ampl)** can be saved as a preset. Chosen values can be assigned to any preset button by holding down the desired button for 3 seconds. The Kelvin display will flash once the setting is registered.

   To restore presets to default factory settings, choose **Reset** under **General** settings and Clear Presets. This method will reset all buttons in all Modes. Shortcut: If only want to clear presets for **Candle** Mode, hold **Lock** button for 3 seconds while Candle mode is displayed.

C) Mode:
   Press to navigate from Dim to Kelvin and FX settings.
   Shortcut: Long press will bring you back one step.

Camera LUT

The **Camera LUT** (Look-up Tables) feature harmonizes the Kino Flo light sources to the camera. Depending on the camera and the Kelvin setting, some differences are very subtle, while others can be more dramatic.

The corrections are applied as a **CIE xy** correction at each CCT (Kelvin) setting. The default setting is targeting the CIE xyz response (human eye).

Press the green menu button to the left of the display screen and scroll down to **Camera LUT**, then press the control knob. Menu with camera selection will be displayed. Turn the control knob and press to select camera setting:

C1 Arri Alexa
C2 Sony Venice
C3 Panavision DXL
C4 Panasonic Varicam

The camera code (C1 for Arri Alexa), for example, will appear on the main menu between **DIM** and **CCT** to designate that a camera setting is active.

Note: When the controller is reset, the camera settings will go to Kino Flo Default mode.

Color Space

Color Space defines the RGB color space used and only affects color – not Kelvin. It is used in **RGB** mode and **Hue Angle** and **Saturation**. There are a few instances in the FX (Effects) mode that are also affected when color is used. The RGB color space defines the value of Red, Green, and Blue primaries (in CIE xy) and the white point is fixed at 6500 Kelvin.

Press the green menu button to the left of the display screen and scroll down to **Color Space**, then press the control knob. Menu with color selection will be displayed. Turn the control knob and press to select Color Space options:

rec 709 / sRGB
P3 D65
rec 2020

The color space **rec 709 / sRGB** is commonly used on computer monitors, SDTV and HDTV television. There are slight gamma variations between rec 709 / sRGB, but not enough to separate into 2 color spaces.

The color space **P3 D65** is a common color space for digital movie projection. The color space **rec 2020** is used in ultra high definition television (UHDTV).

The color space is used when the controller is set to the RGB mode and when set to the Hue Angle/ Saturation mode.

In **RGB** mode – the color space designation will be displayed at the top of the menu. When changing the Red, Blue or Green values, the Kelvin will be locked in at 6500 for all color spaces. When the Kelvin is locked in, CCT will be displayed as CCT*. When using Green/Magenta the CCT value is unlocked and color space selection has no impact.

In **Hue Angle/Saturation** mode – the color space designation will be displayed on the Gel line and GEL will be displayed as GEL* and CCT will be displayed as CCT*. The Color space will be displayed only when Hue Angle and Saturation are being used. When using Green/Magenta or Gel, the CCT will be unlocked and color space selection has no impact.

Fixture Specifications

CEL-250CU   Celeb 250 LED DMX Center Mount, Univ

AC Input Voltage: 100~240VAC 50/60Hz, 145W
Amperage VAC: 1.2A at 120VAC, 0.7A at 230VAC
DC Input Voltage: 18~36VDC, 150W
Amperage VDC: 6.25A at 24VDC
Kelvin Range: 2500K~9900K
Dimming Range: 100%~1%
Weight: 15 lb (6.8kg)
Dimensions: 24 x 5 x 14"
(61 x 12.7 x 35.5cm)

CEL-250YU   Celeb 250 LED DMX Yoke Mount, Univ

AC Input Voltage: 100~240VAC 50/60Hz, 145W
Amperage VAC: 1.2A at 120VAC, 0.7A at 230VAC
DC Input Voltage: 18~36VDC, 150W
Amperage VDC: 6.25A at 24VDC
Kelvin Range: 2500K~9900K
Dimming Range: 100%~1%
Weight: 16 lb (7.3kg)
Dimensions: 28.5 x 5 x 16.5"
(72.3 x 12.7 x 42cm)

CEL-250PU   Celeb 250 LED DMX Pole-Op, Univ

AC Input Voltage: 100~240VAC 50/60Hz, 145W
Amperage VAC: 1.2A at 120VAC, 0.7A at 230VAC
DC Input Voltage: 18~36VDC, 150W
Amperage VDC: 6.25A at 24VDC
Kelvin Range: 2500K~9900K
Dimming Range: 100%~1%
Weight: 17 lb (7.7kg)
Dimensions: 29 x 6 x 16.5"
(74 x 15.2 x 42cm)

CEL-450CU   Celeb 450 LED DMX Center Mount, Univ

AC Input Voltage: 100~240VAC 50/60Hz, 255W
Amperage VAC: 2.5A at 120VAC, 1.1A at 230VAC
Kelvin Range: 2500K~9900K
Dimming Range: 100%~1%
Weight: 26 lb (12kg)
Dimensions: 45 x 5 x 14"
(114.5 x 13 x 36cm)

CEL-450YU   Celeb 450 LED DMX Yoke Mount, Univ

AC Input Voltage: 100~240VAC 50/60Hz, 255W
Amperage VAC: 2.5A at 120VAC, 1.1A at 230VAC
Kelvin Range: 2500K~9900K
Dimming Range: 100%~1%
Weight: 26 lb (12kg)
Dimensions: 50 x 5 x 16.5"
(127 x 13 x 42cm)

CEL-450PU   Celeb 450 LED DMX Pole-Op, Univ

AC Input Voltage: 100~240VAC 50/60Hz, 255W
Amperage VAC: 2.5A at 120VAC, 1.1A at 230VAC
Kelvin Range: 2500K~9900K
Dimming Range: 100%~1%
Weight: 26 lb (12kg)
Dimensions: 50.5 x 5 x 16.5"
(128.5 x 13 x 42cm)

CEL-450QU   Celeb 450Q LED DMX Yoke Mount, Univ

      AC Input Voltage: 100~240VAC 50/60Hz, 270W
      Amperage VAC: 2.7A at 120VAC, 1.1A at 230VAC
      Kelvin Range: 2500K~9900K
      Dimming Range: 100%~1%
      Weight: 24 lb (11kg)
      Dimensions: 30 x 5 x 26"
           (72 x 13 x 66cm)

CEL-450QPU   Celeb 450Q LED DMX Pole-Op, Univ

      AC Input Voltage: 100~240VAC 50/60Hz, 270W
      Amperage VAC: 2.7A at 120VAC, 1.1A at 230VAC
      Kelvin Range: 2500K~9900K
      Dimming Range: 100%~1%
      Weight: 26 lb (12kg)
      Dimensions: 30 x 5 x 30.5"
           (76 x 13 x 77.5cm)

FCC Part 15 Verification:
This device complies with Part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

FCC Part 15 Declaration of Conformity:
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

KINO FLO, INC
Celeb 250 LED, Celeb 450 LED, Celeb 450Q LED
ID: XRSCRMXTIMO101
IC: 8879A-CRMXT101

The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced. The luminaire is intended for professional use only.

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CE

ETL
LISTED
C   US

Intertek

For full operation manual, latest Warranty information and Certifications,

see Kino Flo website at www.kinoflo.com.

Environmental: Disposal of Old Electrical & Electronic Equipment.

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. This product is made of recyclable materials and should be disposed of in accordance with governmental regulations.