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# Operation Manual

## Celeb<sup>®</sup> 200 DMX LED



# Celeb 200 DMX LED System

## Celeb 200 Center Mount



### **CEL-200C-120U**

Celeb 200 DMX Center Mount, Univ 120U

### **CEL-200C-230U**

Celeb 200 DMX Center Mount, Univ 230U

## Celeb 200 Yoke Mount



### **CEL-200Y-120U**

Celeb 200 DMX Yoke Mount, Univ 120U

### **CEL-200Y-230U**

Celeb 200 DMX Yoke Mount, Univ 230U

## Celeb 200 Pole-Op



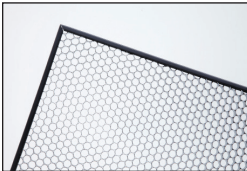
### **CEL-200P-120U**

Celeb 200 DMX Pole-Op, Univ 120U

### **CEL-200P-230U**

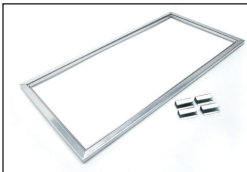
Celeb 200 DMX Pole-Op, Univ 230U

## Included w/ all Celeb 200 Models



### **LVR-CE290-P**

Celeb 200 Louver/HP 90° (Included)



### **GFR-CE2**

Celeb 200 Gel Frame (Included)

# Celeb 200 DMX LED Kit



## **KIT-C2-120U**

Celeb 200 DMX Center Mount Kit,  
Univ 120U

## **KIT-C2-230U**

Celeb 200 DMX Center Mount Kit,  
Univ 230U

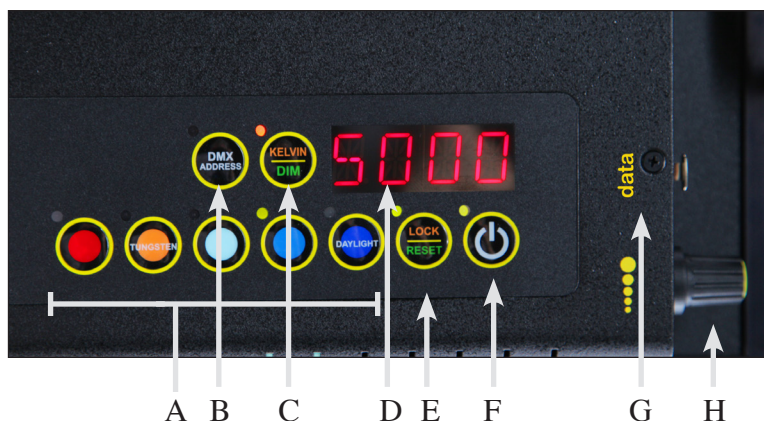
### **Kit Contents:**

1 Celeb 200 DMX Center Mount  
1 Flight Case

**Weight:** 31 lb (14kg)

**Dimensions:** 29 x 10.5 x 17"  
(74 x 27 x 43cm)

# Celeb 200 DMX Control Panel



- A) Kelvin Preset Buttons:** Kelvin buttons come preset at the factory. Factory defaults left to right are: 2700K, 3200K, 4000K, 5000K, 5500K. User can also use these preset buttons to store custom Kelvin settings.
- B) DMX ADDRESS** – Use to set DMX address. The Celeb 200 automatically assigns 2 channels. First Channel controls Dimming; Second Channel controls Kelvin.
- C) KELVIN / DIM:** In KELVIN mode, an amber light appears to the left of the button and Kelvin is displayed. Press the button again to change to DIM mode. In DIM mode, a green light will appear to the left of the button and Dim level is displayed.
- D) Display:** Provides Kelvin, Dim level and software revision data.
- E) LOCK / RESET:** In **LOCK** mode, an amber light is displayed to the left of the button. In **RESET** mode, the indicator light is green. To reset to factory presets, hold the **LOCK / RESET** button for 5 seconds.
- F) On / Off:** **On** = Green light displayed. **Off** = Amber light displayed.
- G) Data:** To update Software Revisions.
- H) Kelvin / Dimmer Knob:** Manually adjusts Kelvin or Dim levels. Press the knob to toggle between fine and coarse adjustments.

**Note:** Each Celeb 200 DMX 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.

# 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: When operating AC, attach the Velcro strap around the baby receiver lollipop as a strain relief. The handles also provide an attachment point for a safety chain if fixture is hung from a grid.



## DC Input

The Celeb can also be operated on 24VDC (input range 18-28VDC) through a 3-Pin XLR. The Celeb will run approximately 2 hours on a 320W/24V/13A battery belt. A low voltage warning will display "LPWR" when the battery is running low.

The pin polarity is:

- Pin #1 – Ground
- Pin #2 + 18-28VDC
- Pin #3 not used

## Ambient Operating Temperature

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

# Start Up



When power is first applied to the fixture, the alphanumeric display shows the current software version.



Press the **On/Off** button to turn on the fixture. The display will show its last setting.

# Kelvin Selection



There are 5 Kelvin factory preset buttons. Left to right they display 2700K, 3200K, 4000K, 5000K and 5500K.

A green indicator will light to the left of the active button.

Rotating the adjustment knob will change the Kelvin.



Press the rotating knob once to shift the **Kelvin** profile from **Coarse** to **Fine** increments.

In the **Coarse** mode, the fixture can be adjusted in one rotation of the knob. In **Fine** mode, it will require 8 rotations for full range of adjustment.



# Kelvin Custom Settings



In **KELVIN** mode, the Kelvin can be fine tuned with the adjustment knob to custom settings between 2700K to 5500K.



The setting can be assigned to any preset button by holding down the desired button for 5 seconds.

The Kelvin display will flash once the setting is registered.

Note: When the power is turned off or removed, the fixture will remember its last setting.

# Dimming



Press the **KELVIN / DIM** button. The indicator light to the left of the button will turn green.

Rotating the adjustment knob will dim the light of the fixture.



Press the rotating knob once to shift the **Dim** profile from **Coarse** to **Fine** increments.

In the **Coarse** mode, the fixture can be adjusted in one rotation of the knob. In **Fine** mode, it will require 8 rotations for full range of adjustment.

# Reset Factory Settings



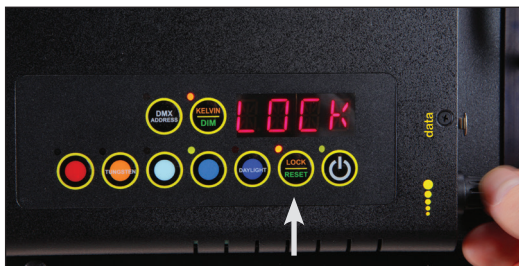
To reset factory settings, press and hold the **LOCK / RESET** button for 5 seconds.

The indicator light will turn green and the settings will reset to factory settings.

# Lock Mode



Press the **LOCK / RESET** button to lock the Kelvin and Dim settings. An amber indicator will display in **LOCK** mode.



In **LOCK** mode, controls are disabled and **LOCK** will appear in the display.

To **unlock**, press the **LOCK / RESET** button again. The indicator light will turn green.



In **LOCK** mode, you can toggle back and forth on the **KELVIN / DIM** button and review your Kelvin and Dim settings.

**Note:** When the power is removed, the fixture will reset to unlock.



# DMX Operation



The Celeb 200 DMX operates on two DMX channels using DMX512. The first channel operates dimming; the 2nd channel operates Kelvin color temperature control.

Once an address is selected, the fixture automatically assigns 2 channels.



Press and hold the **DMX ADDRESS** button to select a DMX address. The displayed number will flash while in edit mode.



Turn the dimming knob to select a valid address from 1-512. (Note: 0 or 513-999 are invalid addresses.)

Press the rotating knob once to shift between **Fine** (single digits) and **Coarse** (in 10th's) address selection.



To save the DMX channel, press the **DMX ADDRESS** button again. When set, the displayed number will stop flashing.

**Note:** All Kelvin indicator lights will turn green if a valid DMX signal is present.

**If a fixture loses its DMX signal, it will hold its last DMX command.**

For this reason, it is important to turn a fixture off using the DMX commands. For example, if you try to turn off the lights by turning off the dimmer board, the lights will remember their last DMX command and stay on. The fixtures require a DMX “Off” or “Black-Out” command in order to turn off.



All manual controls are disabled once the DMX cable is applied and DMX is turned on.

**Note:** To regain manual control with the DMX cable plugged in, set the DMX address to “0”.



**Note:** When operating fixtures at great distances from the dimmer board, it is recommended to use Opto-Isolators to provide DMX signal amplification.

**AUTO TERMINATE FEATURE**

The Celeb 200 DMX fixtures have an **AUTO TERMINATE** feature. The last fixture that does not have an XLR cable attached to the DMX “Out” port will automatically terminate.

Any theatrical lighting board with DMX512 protocol can be used to control the Celeb 200 DMX fixture. The fixtures can be jumpered using the IN and OUT ports. As many as 100 fixtures can be jumpered on one chain as long as the DMX cable run remains under 1000 feet or 40 x 25ft DMX cables.

# DMX Kelvin Dimmer Control

**Kelvin Color Temperature – Dimmer level**

When DMX is applied, the DMX signal will override the manual settings and the Celeb Kelvin temperature will default to 5500K and dim setting will be at 100%. Sliding the fader on the 1st channel will lower the light level. Sliding the fader on the 2nd channel will lower the Kelvin from 5500K to 2700K. (See chart on the following page for approximate Kelvin dimmer levels.). The fixture may respond  $\pm$  4 slider channels, depending on the dimmer board.

Celeb 200 DMX Kelvin Color Temperature Dimmer Level	
Kelvin Color Temperature	Dimmer Level
5500K	100%
5000K	75%
4000K	50%
3200K	15%
2700K	0%

**Note:** The detailed DMX mapping for the Celeb 200 DMX fixture can be downloaded from the Operation Manual posted on [www.kinoflo.com](http://www.kinoflo.com).

**IMPORTANT!**

The dimmer board/light console should have its channel set to LINEAR light output response. (LINEAR response is the default setting on most dimmer boards.)

## DMX Cables



### DMX Cables

The Celeb 200 DMX fixtures use five-pin XLR male and female connectors to receive DMX signals from the Dimmer Board and jumper the fixtures in a series. DMX pin-out wiring follows the USITT DMX512 standard:

- Pin 1: Shield**
- Pin 2: Data –**
- Pin 3: Data +**
- Pin 4: Spare –**
- Pin 5: Spare +**

Note: Pin four and five in the fixture are connected internally as Pin four to four and Pin five to five. Connecting Pin four and five as the pass-thru allows secondary data to be passed through other equipment.

**Do not use Microphone Cables** and other general purpose, two-core cables designed for audio or signaling use. They are not suitable for DMX512. Problems due to incorrect cabling may not be immediately apparent. Microphone Cables may appear to work fine, but systems built with such cables may fail or be prone to random errors. Cable must comply with EIA-485 (RS485).

# Center Mount



**MTP-LB**



Mounted on  
a baby stand



Mounted to pipe grid

**The Celeb 200 Center Mount** fixture includes a Lollipop w/ Baby Receiver (16mm) (**MTP-LB**) which allows the fixture to be mounted directly onto a baby stand or hung from a grid with a baby pipe clamp.

Note: The handles on the back of the fixture provide an attachment point for a safety chain.



A 180° turn loosens the orientation of the mount. A right turn tightens the mount.

The tension on the lock lever may be adjusted by pulling the handle away from the mount. This disengages the handle from the screw mechanism and allows the lever to be reoriented.



You can also use a screwdriver to adjust the tension. Pull back on handle and adjust screw.



**Lollipops are interchangeable.**

**MTP-L** Kino 41 Lollipop w/ 3/8" Pin (10mm)  
**MTP-LB** Kino 41 Lollipop w/ Baby Receiver (16mm)  
**MTP-LBS** Kino 41 Lollipop w/ Baby Receiver Short (16mm)

# Baby Offset Arm



**MTP-B41F** Kino Offset w/  
Baby Receiver (16mm)



The Kino Offset w/ Baby Receiver (**MTP-B41F**) allows fixtures to mount on the center of a stand or it can also be under slung from a baby stand to use as an up light.

# Yoke Mount



**MTP-I40**



**MTP-I80**

The yoke has a 1/2" hole to accept industry standard mounting hardware.

The **Celeb 200 Yoke Mount** fixture can hang from a grid by a baby pipe hanger using a Baby Receiver Assembly for Yoke (**MTP-I40**), sold separately. It can also hang by a junior pipe hanger using a Junior Pin Assembly for Yoke (**MTP-I80**), also sold separately.

Note: The yoke also provides an attachment point for a safety chain.

**Warning:** Use only M5 X 10mm screws (supplied) to assemble yoke. Note that threads on the fixture are self-locking and may seem tight.  
Replacement screws: Part No. **2020127**

Recommended torque setting:

**USA: 18 lb-in**

**Metric: 2 Nm**



# Pole-Op



The **Celeb 200 Pole-Op** fixtures include a yoke with an attached junior pin. They can be hung from a grid with a Junior pipe hanger.



Junior pin attached to Pole-Op Yoke

# Operating Pole-Op



The **Blue** cup alters the **Pan** (left or right).

The **White** cup alters the **Tilt** (up or down).



**Warning!** Do not pull yoke to adjust tilt. Turn the white knob counter clockwise to angle the yoke 90°. (ParaBeam shown for illustration purposes only.)

# Mount Options



## Rope Hang

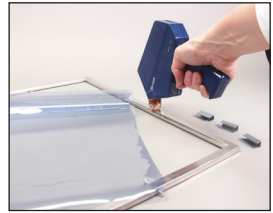
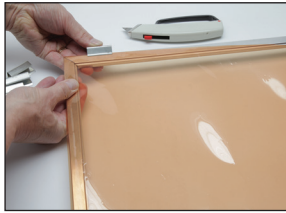
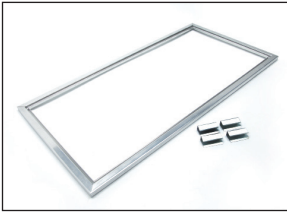
Accessory holders are also designed to enable 4-point rope hangs for specialty rigging applications.



The Celeb Support w/ Pin (**MTP-CE**) can be used as additional mount points, for example, car rigs, etc.

MTP-CE

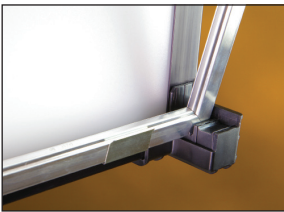
# Applying Gel to Frame



**Option 1** - The Gel Frame comes with gel clips. Cut the gel to size and use the clips to fasten the gel to the frame.

**Option 2** – Apply transfer tape directly to the Gel Frame. The clips are not necessary when taping the gel.

# Inserting Gel Frame and Louver



The Celeb includes spring loaded accessory holders and two channels to hold the Gel Frame and Honeycomb Louver.

Place the long edge of the Gel Frame or Honeycomb Louver into the lower channel.

Press down on the left and right corners of the Gel Frame or Louver and slip the upper edge into the upper channel of the fixture. To remove, reverse the procedure.

**Note:** Do not press down along the top center portion of the Gel Frame or Louver. Doing so may deform the Gel Frame or Louver over repeated usage.

# Inserting Barndoors



**BRD-CE2**

Position the barndoors alongside the extruded edge of the fixture. Align the thumbscrews with the adjustable receptacle holes in the fixture and insert into place. Lock the barndoors by turning the silver thumbscrew.

To remove, reverse the procedure.

For replacement screws, use M5 Metric size screws.

Note: To adjust the placement of the receptacle holes, use a pointed tool (such as a pen) to slide the holes within the extruded edge.

# Troubleshooting

Display	Protection Condition	Description	Normal Condition	Cause/Solution
OCP	Over Current Protection	Shut down current 2.45A in excess of 20%	2.04A @ 100% dim	Repair Service Center
OVP	Over Voltage Protection	Shut down voltage @ excess 30V	Below 28V	Wrong Battery or 24V Battery w/ too high Open Voltage
UVP	Under Voltage Protection	Shut down voltage @ below 17V	Excess 18V	Dead Battery
OTP	Over Temperature Protection	Shut down temp @ 120°C (LDM board side)	Below 120°C @ LED array	Cool Down
OPP	Open Protection	Open circuit	No open	Repair Service Center
SCP	Short Circuit Protection	Short circuit	No short	Repair Service Center

## Troubleshooting continued

### Can't set the DMX address.

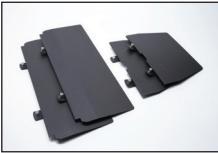
You must Press and Hold the DMX Address button for 3 seconds in order to select an address. The display will flash while in edit mode. Select a valid address from 1-512. (Note: 0 or 513 and higher are invalid addresses.)

### Can't operate the fixture manually with the DMX cable plugged in.

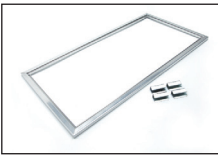
Two Options:

Set DMX address to "0" or disconnect cable and turn power off and on.

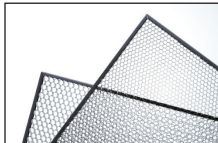
## Accessories



**BRD-CE2** Celeb 200 Barndoors (Set of 4)



**GFR-CE2** Celeb 200 Gel Frame



**LVR-CE290-P** Celeb 200 Louver/HP 90°

**LVR-CE260-P** Celeb 200 Louver/HP 60°



Lollipops are interchangeable.

**MTP-L** Kino 41 Lollipop w/ 3/8" Pin (10mm)

**MTP-LB** Kino 41 Lollipop w/ Baby Receiver (16mm)

**MTP-LBS** Kino 41 Lollipop w/ Baby Receiver Short (16mm)



**MTP-B41F** Kino Offset w/ Baby Receiver (16mm)



**MTP-CE** Celeb Support w/ Pin



**MTP-I80** Junior Pin Assembly for Yoke (28mm)



**MTP-I40** Baby Receiver Assembly for Yoke (16mm)



**KAS-CE2** Celeb 200 Flight Case

**KAS-CE2-C** Celeb 200 Travel Case



**KAS-CE2-Y** Celeb 200 Yoke Ship Case



**STD-M30** Medium Duty Stand/Black, 30"

**STD-M36** Medium Duty Stand/Black, 36"



**7010032** Celeb 200 Yoke Assembly



**7010038** Celeb 200 Pole-Op Assembly



# Fixture Specifications



**Celeb 200 DMX  
Center Mount**

**CEL-200C-120U** Celeb 200 DMX Center Mount,  
Univ 120U

**AC Input Voltage:** 100~240VAC 50/60Hz, 100W

**Amperage VAC:** 0.96A at 120VAC

**DC Input Voltage:** 18~28VDC, 100W

**Amperage VDC:** 4.0A at 24VDC

**Kelvin Range:** 2700K~5500K

**Dimming Range:** 100%~1%

**Weight:** 15 lb (6.8kg)

**Dimensions:** 24 x 14 x 5"  
(61 x 35.5 x 12.7cm)

**CEL-200C-230U** Celeb 200 DMX Center Mount,  
Univ 230U

**AC Input Voltage:** 240~100VAC 50/60Hz, 100W

**Amperage VAC:** 0.54A at 230VAC

**DC Input Voltage:** 18~28VDC, 100W

**Amperage VDC:** 4.0A at 24VDC

**Kelvin Range:** 2700K~5500K

**Dimming Range:** 100%~1%

**Weight:** 15 lb (6.8kg)

**Dimensions:** 24 x 14 x 5"  
(61 x 35.5 x 12.7cm)



**Celeb 200 DMX  
Yoke Mount**

**CEL-200Y-120U** Celeb 200 DMX Yoke Mount,  
Univ 120U

**AC Input Voltage:** 100~240VAC 50/60Hz, 100W

**Amperage VAC:** 0.96A at 120VAC

**DC Input Voltage:** 18~28VDC, 100W

**Amperage VDC:** 4.0A at 24VDC

**Kelvin Range:** 2700K~5500K

**Dimming Range:** 100%~1%

**Weight:** 16 lb (7.3kg)

**Dimensions:** 28.5 x 16.5 x 5"  
(72.3 x 42 x 12.7cm)

**CEL-200Y-230U** Celeb 200 DMX Yoke Mount,  
Univ 230U

**AC Input Voltage:** 240~100VAC 50/60Hz, 100W

**Amperage VAC:** 0.54A at 230VAC

**DC Input Voltage:** 18~28VDC, 100W

**Amperage VDC:** 4.0A at 24VDC

**Kelvin Range:** 2700K~5500K

**Dimming Range:** 100%~1%

**Weight:** 16 lb (7.3kg)

**Dimensions:** 28.5 x 16.5 x 5"  
(72.3 x 42 x 12.7cm)



**Celeb 200 DMX Pole-Op**

**CEL-200P-120U** Celeb 200 DMX Pole-Op, Univ 120U

- AC Input Voltage:** 100~240VAC 50/60Hz, 100W
- Amperage VAC:** 0.96A at 120VAC
- DC Input Voltage:** 18~28VDC, 100W
- Amperage VDC:** 4.0A at 24VDC
- Kelvin Range:** 2700K~5500K
- Dimming Range:** 100%~1%
- Weight:** 17 lb (7.7kg)
- Dimensions:** 29 x 16.5 x 6"  
(74 x 42 x 15.2cm)

**CEL-200P-230U** Celeb 200 DMX Pole-Op, Univ 230U

- AC Input Voltage:** 240~100VAC 50/60Hz, 100W
- Amperage VAC:** 0.54A at 230VAC
- DC Input Voltage:** 18~28VDC, 100W
- Amperage VDC:** 4.0A at 24VDC
- Kelvin Range:** 2700K~5500K
- Dimming Range:** 100%~1%
- Weight:** 17 lb (7.7kg)
- Dimensions:** 29 x 16.5 x 6"  
(74 x 42 x 15.2cm)

For latest Warranty information and Certifications,  
see Kino Flo website at [www.kinoflo.com](http://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.

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