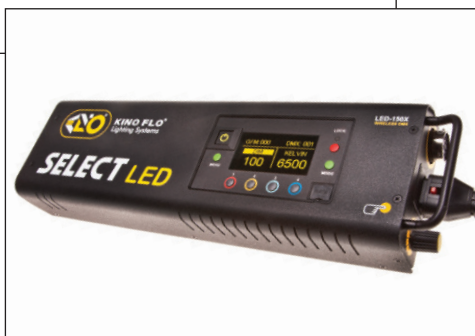

Operation Manual

FreeStyle 31/21 LED



KINO FLO®
Lighting Systems

FreeStyle 31 & 21 LED Systems



SYS-F31-120U FreeStyle 31 LED DMX System, Univ 120U
SYS-F31-230U FreeStyle 31 LED DMX System, Univ 230U

SYS-F21-120U FreeStyle 21 LED DMX System, Univ 120U
SYS-F21-230U FreeStyle 21 LED DMX System, Univ 230U

Each FreeStyle LED System consists of:

- 1 FreeStyle LED Fixture
- 1 Mounting Plate
- 1 Extension Cable
- 1 LED Controller

FreeStyle LED System Components



CFX-F31 FreeStyle 31 LED Fixture

CFX-F21 FreeStyle 21 LED Fixture



MTP-BG41 KinoGrip 41K Mount w/
Baby Receiver (16mm)



X12-25 Select 150 Extension, 25ft



LED-150X-120U
Select 150 LED DMX Controller, Univ 120U

LED-150X-230U
Select 150 LED DMX Controller, Univ 230U

FreeStyle 31 LED DMX Kits



**FreeStyle 31 LED
DMX Kit w/ Soft Case**

KIT-F31B-120U

FreeStyle 31 LED DMX Kit, Univ 120U w/ Soft Case

KIT-F31B-230U

FreeStyle 31 LED DMX Kit, Univ 230U w/ Soft Case

Kit Contents:

- 1 FreeStyle 31 LED Fixture
- 1 Select 150 LED DMX Controller
- 1 MTP-BG41 Mount
w/ Baby Receiver (16mm)
- 1 Extension, 25ft
- 1 Soft Case

Dimensions:

42.5 x 7.5 x 16.5"
(108 x 19 x 42cm)

Weight:

29 lb
(13kg)



**FreeStyle 31 LED
DMX Kit w/ Flight Case**

KIT-F31-120U

FreeStyle 31 LED DMX Kit, Univ 120U w/ Flight Case

KIT-F31-230U

FreeStyle 31 LED DMX Kit, Univ 230U w/ Flight Case

Kit Contents:

- 1 FreeStyle 31 LED Fixture
- 1 Select 150 LED DMX Controller
- 1 MTP-BG41 Mount
w/ Baby Receiver (16mm)
- 1 Extension, 25ft
- 1 Flight Case

Dimensions:

46 x 11 x 16.5"
(117 x 28 x 42cm)

Weight:

49.5 lb
(22kg)



**Gaffer/FS 31 LED
DMX Kit (2-Unit)**

KIT-F32-120U

Gaffer/FS 31 LED DMX Kit, Univ 120U (2-Unit)

KIT-F32-230U

Gaffer/FS 31 LED DMX Kit, Univ 230U (2-Unit)

Kit Contents:

- 2 FreeStyle 31 LED Fixture
- 2 Select 150 LED DMX Controller
- 2 MTP-BG41 Mount
w/ Baby Receiver (16mm)
- 2 Extension, 25ft
- 1 Ship Case

Dimensions:

43.5 x 13 x 18.5"
(110.5 x 33 x 47cm)

Weight:

75 lb
(34kg)

FreeStyle 21 LED DMX Kits



**FreeStyle 21 LED
DMX Kit w/ Soft Case**

KIT-F21B-120U

FreeStyle 21 LED DMX Kit, Univ 120U w/ Soft Case

KIT-F21B-230U

FreeStyle 21 LED DMX Kit, Univ 230U w/ Soft Case

Kit Contents:

- 1 FreeStyle 21 LED Fixture
- 1 Select 150 LED DMX Controller
- 1 MTP-BG41 Mount
w/ Baby Receiver (16mm)
- 1 Extension, 25ft
- 1 Soft Case

Dimensions:

31 x 7.5 x 18"
(79 x 19 x 46cm)

Weight:

24.5 lb
(11kg)



**FreeStyle 21 LED
DMX Kit w/ Flight Case**

KIT-F21-120U

FreeStyle 21 LED DMX Kit, Univ 120U w/ Flight Case

KIT-F21-230U

FreeStyle 21 LED DMX Kit, Univ 230U w/ Flight Case

Kit Contents:

- 1 FreeStyle 21 LED Fixture
- 1 Select 150 LED DMX Controller
- 1 MTP-BG41 Mount
w/ Baby Receiver (16mm)
- 1 Extension, 25ft
- 1 Flight Case

Dimensions:

30 x 10.5 x 21"
(76 x 27 x 53cm)

Weight:

39.5 lb
(18kg)



**Interview/FS 21 LED
DMX Kit (2-Unit)**

KIT-F22-120U

Interview/FS 21 LED DMX Kit, Univ 120U (2-Unit)

KIT-F22-230U

Interview/FS 21 LED DMX Kit, Univ 230U (2-Unit)

Kit Contents:

- 2 FreeStyle 21 LED Fixture
- 2 Select 150 LED DMX Controller
- 2 MTP-BG41 Mount
w/ Baby Receiver (16mm)
- 2 Extension, 25ft
- 1 Ship Case

Dimensions:

36 x 13 x 20.5"
(91.5 x 33 x 52cm)

Weight:

66.5 lb
(30kg)

FreeStyle Fixture Assembly



The FreeStyle LED Fixture is comprised of a removable Fixture Shell, LED panel and Louver. The Louver is held in place with Velcro fasteners.



To remove the LED panel from the fixture housing, press the locking pin and turn thumbscrew to release LED panel.



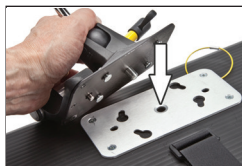
Lift LED panel from metal tray.



Slide LED panel from fixed pins.

To replace, reverse the procedure.

Removable Mount



Align the center pin of the mounting plate to the center hole on the mating plate.

Rotate plate clockwise until the four shoulder rivets drop into the receptacle. A locking pin will snap into place when the plate is properly seated.



The **yellow wire loop** provides an attachment point for a safety chain.



To remove the plate, pull up on the locking pin and reverse the mounting procedure.



The FreeStyle removable LED panel also has a mating plate to accept the twist-on mount plate.

Mounting the Controller



Insert the 4 rubber feet of the controller into the 4 holes in the fixture.

Secure the Controller to the fixture with the Velcro fastening strap.



Connect the harness to the Controller. Align the key ways on the harness connector with the circular receptacle on the ballast. Rotate the silver locking ring until it clicks into the lock position.

Extension Cable



The FreeStyle LED fixture can be used with the controller directly attached or remotely, using a 25ft extension cable. Remote operation of the controller provides more rigging options.

To insert the cable, align the key ways on the extension cable with the circular receptacle on the controller. Rotate the silver locking ring until it clicks into the lock position.

Mount Options



MTP-BAL



The Controller can be mounted to a stand with a ballast mount accessory, **MTP-BAL** and mafer clamp.

SnapBag & SnapGrid



The SnapBag accessory (**DFS-FS31-S** & **DFS-FS21-S**) is a lightweight fabric tailor-made for the FreeStyle LED. It slips over the fixture and is attached with straps. The reflective material intensifies the soft light. The removable grid cloth attaches to the inside with Velcro.



The SnapGrid accessory (**LVR-FS340-S** & **LVR-FS240-S**) is constructed of pre-stretched fireproof fabric with a built-in stainless steel frame. It unfolds and snaps into place. This model requires the use with the corresponding SnapBag; it is not designed to be used by itself.

Power



AC Input

The Select 150 LED DMX Controller is powered AC and includes an IEC connection. It also includes a 12ft power cord with a locking IEC connector.

The Select 150 LED DMX Controller has a built-in power supply with universal input from 100-240VAC.

Ambient Operating Temperature

The Select 150 LED DMX is designed to operate at temperatures from 14°F to 104°F (-10°C to 40°C).



DC Input

The Select 150 LED DMX can also be operated on 24VDC (input range 18-36VDC) through a 3-Pin XLR. The pin polarity is:

- Pin # 1 – Ground
- Pin # 2 + 18-36VDC
- Pin # 3 not used



Note:

A low voltage warning will display if input DC voltage is under 18VDC. Photo example: **LOW VDC: 17**

Control Panel - White Mode



- 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 and DMX Wireless settings. *Tip:* While on control screen, press and hold for 3 seconds to switch through menus (**White, Gels & Hue, RGB**).
- C) Kelvin & G/M (Green/Magenta) 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 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. *Tip:* Long press will bring you back one step.
- G) Data Port:** Mini B USB for software updates.
- H) Dimmer Knob:** Manually adjusts Dim, Kelvin, G/M levels and DMX address.
Press the knob to toggle between fine and coarse adjustments or when selecting options within menus.

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

Control Panel - Color & RGB Mode



A

B

C

D



A

B

C

D

Color Mode

- A) Menu:** Provides access to menu options such as General settings (**Color Mode**), Reset, DMX and DMX Wireless settings. *Tip:* While on control screen, press and hold for 3 seconds to switch through menus (**White, Gels & Hue, RGB**).
- B) Kelvin, G/M (Green/Magenta) Gel, Hue & Saturation 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 in sub-menus, pressing Mode always returns you to main display. When DMX is applied, use Mode to access DMX channel on main display. *Tip:* Long press will bring you back one step.

RGB Mode

- A) Menu:** Provides access to menu options such as General settings (**RGB Mode**), Reset, DMX and DMX Wireless settings. *Tip:* While on control screen, press and hold for 3 seconds to switch through menus (**White, Gels & Hue, RGB**).
- B) Kelvin, G/M (Green/Magenta) RGB (Red, Green, Blue) 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. *Tip:* Long press will bring you back one step.

Accessories



DFS-SL30-H

Select 30/31 Flozier, Half

DFS-SL20-H

Select 20/21 Flozier, Half



DFS-FS31-S

FreeStyle 31 SnapBag w/
2 x Diffusion

DFS-FS21-S

FreeStyle 21 SnapBag w/
2 x Diffusion



LVR-FS340-S

Select 30/31 SnapGrid 40°

LVR-FS240-S

Select 20/21 SnapGrid 40°



LVR-SL390-P

Select 30/31 Louver/HP 90°

LVR-SL360-P

Select 30/31 Louver/HP 60°

LVR-SL290-P

Select 20/21 Louver/HP 90°

LVR-SL260-P

Select 20/21 Louver/HP 60°



MTP-KG41

KinoGrip 41K Mount w/
3/8" Pin (10mm)



MTP-BG41S

KinoGrip 41K Mount w/
Baby Receiver Short (16mm)



MTP-BF41

Kino Offset w/ Baby Receiver (16mm)



MTP-BAL

Kino Ballast Baby Mount (16mm)

Cases



BAG-SL30

Select 30/31 Soft Case

BAG-SL20

Select 20/21 Soft Case



KAS-DL30

Select 30/31 Flight Case

KAS-DL20

Select 20/21 Flight Case



KAS-SL32

Gaffer 30/31 Ship Case (2)

KAS-SL22

Interview 20/21 Ship Case (2)



KAS-SL33

Select 30/31 Fixture Ship Case (3)

KAS-SL23

Select 20/21 Fixture Ship Case (3)

FreeStyle LED Fixture Specifications



FreeStyle 31 LED

CFX-F31 FreeStyle 31 LED Fixture

Weight: 15 lb (7kg)

Dimensions: 40.5 x 3.5 x 10.5" w/ 6.5" barndoors
(103 x 9 x 27cm w/ 16.5cm barndoors)

| | |
|--|-------|
| FreeStyle 31 Panel only: 37.5 x 2.5 x 9.5" | 9lb |
| (95 x 6.5 x 24cm) | (4kg) |



FreeStyle 21 LED

CFX-F21 FreeStyle 21 LED Fixture

Weight: 11.5 lb (5kg)

Dimensions: 26.5 x 3.5 x 13" w/ 6" barndoors
(67 x 9 x 33cm w/ 15cm barndoors)

| | |
|---|-------|
| FreeStyle 21 Panel only: 23.5 x 2.5 x 11.5" | 6.5lb |
| (60 x 6.5 x 29cm) | (3kg) |

LED Controller Specifications



**Select 150 LED
DMX Controller**

LED-150X Select 150 LED DMX Controller

AC Input Voltage: 100~240VAC 50/60Hz, 150W

Amperage VAC: 1.25A at 120VAC, 0.65A at 230VAC

DC Input Voltage: 18~36VDC, 150W

Amperage VDC: 6.25A at 24VDC

Kelvin Range: 2700K~6500K (White Mode)

Kelvin Range: 2500K~9900K (Color Mode)

Dimming Range: 100%~1%

Weight: 4.5 lb (2kg)

Dimensions: 14.5 x 4 x 3"

(37 x 10 x 8cm)

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

FreeStyle 31, FreeStyle 21

ID: XRSCRMXTIMO101

IC: 8879A-CRMXT101

For 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.

Kino Flo, Inc. 2840 N. Hollywood Way, Burbank, CA 91505, USA
Tel: 818 767-6528 website: www.kinoflo.com