Operation Manual
FreeStyle T44 LED
(True Match® Firmware 3.0)

CFX-F484

FS-48

LED-140X

KINO FLO
Lighting Systems

FreeStyle T44 System

SYS-FT44U
FreeStyle T44 LED DMX System, Univ

FreeStyle T44 LED System consists of:

1 FreeStyle T44 Fixture
1 Mounting Plate
1 Extension Cable
1 LED Controller
4 FreeStyle 4ft LED Tubes

FreeStyle T44 System Components

	CFX-F484 FreeStyle T44 Fixture
	FS-48 FreeStyle 4ft LED Tube
	MTP-KG41 KinoGrip 41K Mount w/ 3/8" Pin (10mm)
	X12-25 FreeStyle Extension, 25ft
	LED-140X-120U FreeStyle 140 LED DMX Controller, Univ 120U **LED-140X-230U** FreeStyle 140 LED DMX Controller, Univ 230U

FreeStyle T44 LED DMX Kits

**FreeStyle T44 LED DMX Kit
w/ Soft Case**

KIT-FT44BU
FreeStyle T44 LED DMX Kit w/ Soft Case, Univ

Kit Contents:
1 FreeStyle T44 LED Fixture
4 FreeStyle 4ft LED Tube
1 FreeStyle 140 LED DMX Controller
1 MTP-BG41 Mount w/ Baby Receiver (16mm)
1 Extension, 25ft
1 Soft Case

Dimensions: **Weight:**
55 x 8 x 19.5"   25 lb
(140 x 20.5 x 49.5cm)   (11kg)

**FreeStyle T44 LED DMX Kit
w/ Travel Case**

KIT-FT44U
FreeStyle T44 LED DMX Kit w/ Travel Case, Univ

Kit Contents:
1 FreeStyle T44 LED Fixture
4 FreeStyle 4ft LED Tube
1 FreeStyle 140 LED DMX Controller
1 MTP-BG41 Mount w/ Baby Receiver (16mm)
1 Extension, 25ft
1 Travel Case

Dimensions: **Weight:**
54.5 x 9 x 21"   44.5 lb
(138 x 23 x 53cm)   (20kg)

**FreeStyle T44 Gaffer LED
DMX Kit (2-Unit)**

KIT-FT44GU
FreeStyle T44 Gaffer LED DMX Kit, Univ (2-Unit)

Kit Contents:
2 FreeStyle T44 LED Fixture
8 FreeStyle 4ft LED Tube
2 FreeStyle 140 LED DMX Controller
2 MTP-BG41 Mount w/ Baby Receiver (16mm)
2 Extension, 25ft
1 Ship Case

Dimensions: **Weight:**
56.5 x 13 x 16.5"   70.5 lb
(143.5 x 33 x 42cm)   (32kg)

Power

AC Input
The FreeStyle 140 LED DMX Controller is powered AC and includes an IEC connection. It also includes a 12ft power cord with a locking IEC connector.

The FreeStyle 140 LED DMX has a built-in power supply with universal input from 100-240VAC.

Ambient Operating Temperature
The FreeStyle 140 LED DMX is designed to operate at temperatures from 14°F to 104°F (-10°C to 40°C).

DC Input

The FreeStyle 140 LED DMX can also be operated on 24VDC (input range 18-36VDC) through a 3-Pin XLR. The pin polarity is:
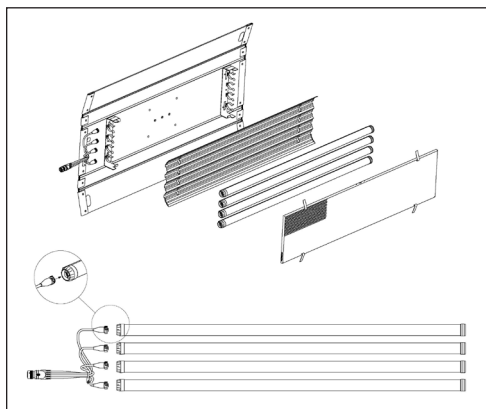
Pin # 1 – Ground
Pin # 2 + 18-36VDC
Pin # 3   not used

Note:

A low voltage warning will display if input DC voltage is under 18VDC. Photo example: **LOW VDC: 16**

FreeStyle Fixture Assembly

The FreeStyle T44 fixture is comprised of a Louver, Reflector and Tube Harness.

The Louver and Reflector are held in place with Velcro fasteners. The Tube Harness is secured by means of a ¼ turn fastener.

To Release the Tube Harness

Rotate the ¼ turn fastener clockwise to release harness.

FreeStyle Harness

FreeStyle Harness:

Align arrows on harness connector with tube. Push and click into place. To remove harness connector, turn locking ring to the left and pull.

Push tubes into the fixture's tube holder clips. The tubes can operate independent of the fixture allowing them to be built into sets or custom soft boxes or hand-held as a single tube for an eye-light.

The FreeStyle Reflector (**REF-F484**) has a unique design to accommodate the aluminum channel on the back of the FreeStyle tube. It provides even light distribution and maximizes light output. In addition, it acts as a heatsink and allows the FreeStyle Tubes to run cooler.

Mounting the Fixture

The standard mount **(MTP-KG41)** comes with a 3/8" Lollipop that clamps into a grip head. The ball and socket mount allows the fixture to be oriented in a broad range of angles.


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 loops** provide attachment points for a safety chain.

To remove the plate, pull up on the locking pin and reverse the mounting procedure.
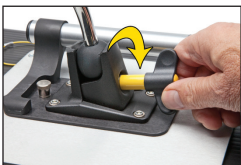
Turn the knob to loosen or tighten the mount.

Mounting LED Tubes

FreeStyle LED Tubes can operate inside the fixture or independently with only the wiring harness. The LED Tubes have an aluminum rail that can be used as an access point for mounting accessories:

MTP-F100   FreeStyle Tube Mount – Anchor
MTP-F101   FreeStyle Tube Mount – Baby Pin
MTP-F102   FreeStyle Tube Mount – Wall Plate
MTP-F103   FreeStyle Tube Mount – Hanging Kit 4pk (Wire not included)

MTP-F100

MTP-F101

MTP-F102

MTP-F103

Insert into T-slot. Insert wire all the way down. Pull up wire until it latches. Press down pin to release wire.

Note: Wire rope sold separately.

Extension Cable

The harness connects directly to the controller. 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.

The FreeStyle LED fixture can operate remotely from the controller with extension cable up to 50ft (2 x 25ft). Remote operation of the controller provides more rigging options.

Mount Options

MTP-BAL1

The Controller can be mounted to a stand with a ballast mount accessory, **MTP-BAL1** and mafer clamp.

Applying Louver

The Louver is fastened to the fixture with 4 Velcro straps.
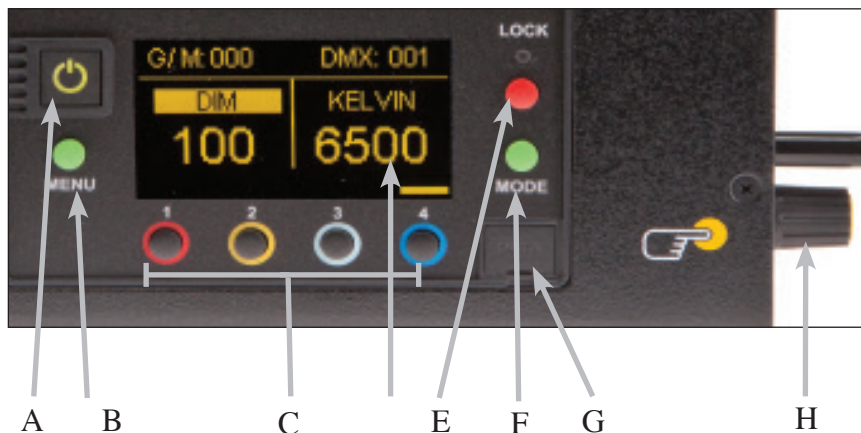
Applying Flozier

Remove Louver. Stretch two elastic cords around fixture. Take up slack on both elastic cords.

Expand the barndoors to Smooth out the face of the Flozier and eliminate wrinkles.

Control Panel - White Mode

A   B   C   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 and DMX Wireless settings. Shortcut: While on control screen, press and hold for 3 seconds to switch through menus (**White, Gels & Hue, RGB, 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: The LED-140X 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 - Gels/Hue Mode

A   B   C   D

Gels/Hue Mode

A) Menu:
Provides access to menu options such as General settings (**Gels/Hue** Mode), Reset, DMX and DMX Wireless settings. Shortcut: While on control screen, press and hold for 3 seconds to switch through menus (**White, Gels & Hue, RGB, 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.
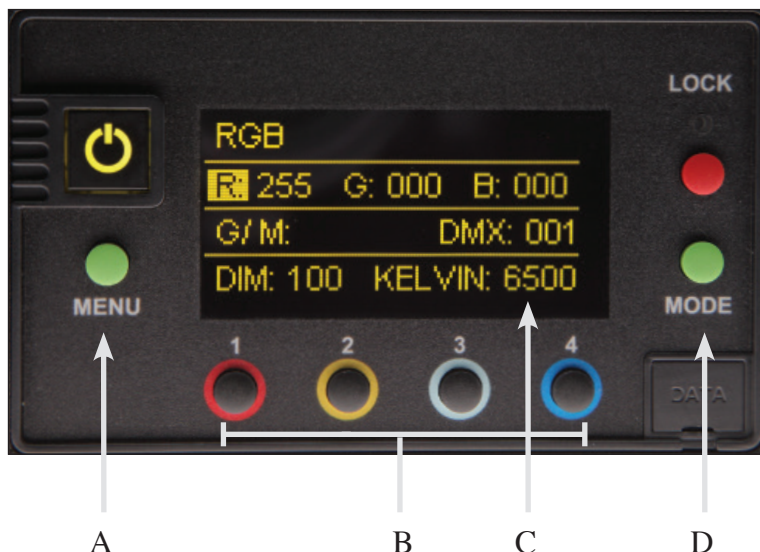
C) Display:
Provides access to Dim, Kelvin, G/M, Gel, Hue/Saturation and DMX channel. Factory reset will show: Dim = 10%, Kelvin = 2700K, G/M = 000, DMX = 001.

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 and DMX Wireless settings. Shortcut: While on control screen, press and hold for 3 seconds to switch through menus (**White, Gels & Hue, RGB, 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 - FX (Effects)

A   B   C
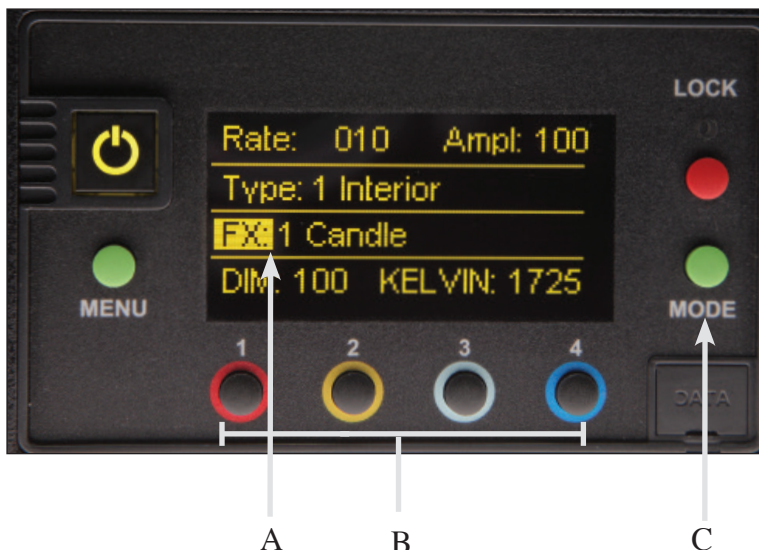
FX (Effects) Mode

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-programmed 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.
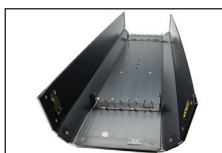Shortcut: Long press will bring you back one step.

Accessories

	SYS-BK12	Block/KF21 Single Battery System, 140Whr, 28.8V (2 x Battery)
	DFS-4804-H **DFS-4804-H**	FreeStyle T44 Flozier, Full FreeStyle T44 Flozier, Half
	FIX-F484	FreeStyle T44 Fixture Shell Only
	HAR-FS4	FreeStyle T44 Harness
	LVR-K490-P	FreeStyle T44 Louver/HP, 90°
	MTP-901	Savior Mini Clamp & Lock Screw Pin (16mm)
	MTP-902	KF/LED Controller Mount Assembly 2
	MTP-903	KF/LED Controller Mount Assembly 3
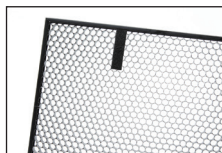
	MTP-F100	FreeStyle Tube Mount – Anchor
	MTP-F101	FreeStyle Tube Mount – Baby Pin
	MTP-F102	FreeStyle Tube Mount – Wall Plate
	MTP-F103	FreeStyle Tube Mount – Hanging Kit 4pk
	MTP-BG41	KinoGrip 41K Mount w/ Baby Receiver (16mm)
	MTP-BG41S	KinoGrip 41K Mount w/ Baby Receiver Short (16mm)
	MTP-BAL1	Kino Bal/Led Controller Mount (16mm)

	MTP-BRA	Baby Right Angle Offset (5/8" Pin)
	MTP-L	Kino 41 Lollipop w/ 3/8" Pin (10mm)
	MTP-LBC	Kino 41 Lollipop w/ Baby Rcvr Curve (16mm)
	MTP-LBS	Kino 41 Lollipop w/ Baby Rcvr Short (16mm)
	REF-F484	FreeStyle T44 Reflector
	X08-F125	FreeStyle/1 Extension, 25ft
	X12-A4	FreeStyle/4 to FreeStyle/1 Splitter
	XLR-310	3-Pin Xlr DC Power Cable, 10ft
	STD-M30	Medium Duty, 3-Rise 30"
	STD-M36	Medium Duty, 3-Rise 36"
	STD-D1	Reverse Stand

Cases

	BAG-401 FreeStyle T44 Soft Case
	KAS-FT44C FreeStyle T44 Travel Case
	KAS-FT44G FreeStyle T44 Gaffer Ship Case (2-Unit)
	KAS-FT54S FreeStyle T44 Fixture (3) Ship Case **KAS-FT54L** FreeStyle T44 Fixture (5) Ship Case
	KAS-KFC Ballast and Cable Crate w/ Lid

Fixture Specifications

FreeStyle T44

CFX-F484   FreeStyle T44 LED Fixture

Weight w/ Tubes: 12.5 lb (6kg)
Dimensions: 52 x 13 x 3.5" w/ 6.5" barndoors
(132 x 33 x 9cm w/ 16.5cm barndoors)

LED Controller Specifications

FreeStyle 140 LED DMX Controller

LED-140X   FreeStyle 140 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: 9.5 x 7.5 x 3"
(38 x 19 x 8cm)

KINO FLO, INC
FreeStyle 4 & LED-140X
ID: XRSCRMXTIMO101
IC: 8879A-CRMXT101

For latest Warranty information and Certifications,

see Kino Flo website at www.kinoflo.com.

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CE

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C   US
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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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