

F2 USER MANUAL

CE



REV 1.0 - 24

English Version

Caution!



Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching the wires!



Avoid looking directly into the light source!

Wear protective glasses and other PPE (personal protective equipment) when working on or near the fixture.



Always make sure you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label. Make sure it is grounded when using it!

Unplug mains lead before opening the housing!

Make sure that the power cord is never crimped or damaged by sharp edges. Check the fixture and the powercord from time to time.

Make sure to replace the fuse with another of the same type and rating.



For your own safety, please read this user manual carefully before you initial start-up.

Follow operating safety precautions and pay attention to warning signs methods and equipment on the user manual.



Warning! This symbol indicates a hot surface. Certain parts of the housing can become hot during operation. After use, wait for a cool-down period of at least 10 minutes before handling or transporting the device.

Every person involved with the installation, operation and maintenance of this device has to

- be qualified
- follow the instructions of this manual
- consider this manual to be part of the total product
- keep this manual for the entire service life of the product
- pass this manual on to every further owner or user of the product
- download the latest version of the user manual from the Internet

Introduction

Thank you for having chosen F2. You will see you acquired a powerful and versatile device.

Unpack your item. Before you initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

Safety instructions

This device has left our premises in absolutely perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual. Always disconnect from the mains, when the device is not in use or before cleaning it. Keep away children and amateurs from the device! There are no serviceable

parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers.

Installation

Read 'Safety information' before installing the fixture.

The fixture is designed for indoor use only and must be used in a dry location with adequate ventilation. Ensure that none of the fixture's ventilation slots are blocked.

Fasten the fixture to a secure structure or surface. Do not stand it on a surface or leave it where it can be moved or fall over. If you install the fixture in a location where it may cause injury or damage if it falls, secure it as directed in this user manual using a securely anchored safety cable that will hold the fixture if the primary fastening method fails.

Fastening the fixture to a flat surface

The fixture can be fastened to a hard, fixed, flat surface that is oriented at any angle. Ensure that the surface and all fasteners used can support at least 10 times the weight of all fixtures and equipment to be installed on it.

Fasten the fixture securely. Do not stand it on a surface or leave it where it can be moved or fall over. If you install the fixture in a location where it may cause injury or damage if it falls, secure it as directed below with a securely anchored safety cable that will hold the fixture if the primary fastening method fails.

Mounting the fixture on a truss

The fixture can be clamped to a truss or similar rigging structure in any orientation. When installing the fixture hanging vertically down, you can use an open-type clamp such as a G-clamp. When installing in any other orientation, you must use a half-coupler clamp that completely encircles the truss chord.

To clamp the fixture to a truss:

1. Check that the rigging structure can support at least 10 times the weight of all fixtures and equipment to be installed on it.
2. Block access under the work area.
3. Fold the legs of the mounting bracket together and bolt a rigging clamp securely to the mounting bracket. The bolt used must be M10, grade 8.8 steel minimum. It must pass through both mounting bracket legs and be fastened with a self-locking nut.
4. Working from a stable platform, hang the fixture with its clamp on the truss and fasten the clamp securely.
5. Secure the fixture with a safety cable as directed below.

Securing with a safety cable

Secure the fixture with a safety cable (or other secondary attachment) that is approved for the weight of the fixture so that the safety cable will hold the fixture if a primary attachment fails.

Loop the safety cable through the eyebolt in the back of the fixture and around a secure anchoring point. Do not loop the safety cable around the fixture's mounting bracket only, as this will leave the fixture unsecured if it separates from the bracket.

Power connection

Power Requirements

The F2 luminaire operates on 100 to 240 volts AC (+/- 10%, auto-ranging). The luminaire contains an auto-ranging power supply.

Connection with the mains:

Connect the device to the mains with the enclosed power supply cable.

The occupation of the connection cables as below:

Cable color	Connection	International
Brown	Live	L
Blue	Neutral	N
Yellow/green	Earth(Ground)	

Control Menu Map

After the screen times out, it will automatically turn off the screen and lock the keys (only confirmed long press for 3s can unlock and turn on the screen).

Menu	Main menu	Submenu	Sub-submenu
DMX	Address	001-512	
MODE	DMX Mode	12CH Compact, 19CH Standard, 24CH High Res, 29CH Full Feature	
	Auto Mode	Program	Gradient, rainbow, fade, pulse, auto
		Fill Light	Auto, sync main light, breathing, rainbow, chase, flow, strobe, Twin breath, rainbow chas, meteor, wave, sparkle, spiral
		Speed1	Slow, medium, fast, customise
		Speed2	000-255
	Manual Mode	Dimmer	000-255
		Strobe	000-255
		WW	000-255
		CW	000-255
		Zoom	000-255
		Aux Dim	000-255
		Strobe	000-255
		Aux R	000-255
		Aux G	000-255
		Aux B	000-255
		Program	000-255
		Speed	000-255
	Cto Mode	2300K-7500K (100K Step)	

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Menu	Main menu	Submenu	Sub-submenu
SET	Signal Mode	HOLD/BLACKOUT	
	RDM Switch	ON/OFF	
	Scrn Timeout	5s/15s/30s/Permanent	
	Key Locked	ON/OFF	
	Master Slave	Master/Slave	
	Fan Mode	Automatic/Fixed	
	Output Mode	Full power/Low power/Ultra Silent	
	Advanced	(Password required) 0-99	
DIM	Dim Freq	1.2K-24.0K Hz	
	Dim Curve	Linear / Square / Inverse Square / S-Curve	
	Dim Mode	Standard/Stage/Television/Architecture/ Theater/Studio/Tungsten filament	
	Dim Time	Lamp on 0.0S-5.0S Lamp off 0.0S-5.0S	
LANG	Chinese/English		
ROT	screen rotation		
INFO	Lamp information		
RST	Start/Confirm		

DMX Protocol

12 CH	Mode	Function
CH1	WW	000-255: 0-100% WW dimming
CH2	CW	000-255: 0-100% CW dimming
CH3	Fill light R	000-255: 0-100% Fill light dimming
CH4	Fill light G	000-255: 0-100% Fill light dimming
CH5	Fill light B	000-255: 0-100% Fill light dimming
CH6	Dimming	000-255: 0-100% Total dimming
CH7	Fill light Dimming	000-255: 0-100% Fill light dimming
CH8	Fill light Strobe	000-255: Fill light Strobe
CH9	Fill light Effect	000-255: Choose 13 self-propelled effects from 12 segments
CH10	Fill light Speed	000-255: Fill light Speed
CH11	Zoom	000-255: Electric Zoom
CH12	Function macro	000-255: See the table below

19 CH	Mode	Function
CH1	WW	000-255: 0-100% WW dimming
CH2	CW	000-255: 0-100% CW dimming
CH3	Fill light R	000-255: 0-100% Fill light dimming
CH4	Fill light G	000-255: 0-100% Fill light dimming
CH5	Fill light B	000-255: 0-100% Fill light dimming

19 CH	Mode	Function
CH6	Dimming	000-255: 0-100% Total dimming
CH7	Fill light Dimming	000-255: 0-100% Fill light dimming
CH8	Fill light Strobe	000-255: Fill light Strobe
CH9	Fill light Effect	000-255: Choose 13 self-propelled effects from 12 segments
CH10	Fill light Speed	000-255: Fill light Speed
CH11	Strobe	000-255: Strobe
CH12	Zoom	000-255: Electric Zoom, high byte
CH13	Zoom	000-255: Electric Zoom, Low Byte
CH14	Zoom speed	000-255: Electric Zoom speed
CH15	Function macro	000-255: See the table below
CH16	CCT	000-255: 0%-100% CCT
CH17	Built-in program	000-015: No function
		016-063: Gradient
		064-111: Rainbow
		112-159: Respiration
		160-207: Pulse
		208-255: Self-propelled
CH18	Program speed	000-255: Program speed
CH19	Reset	000-255: Reset

24 CH	Mode	Function
CH1	WW	000-255: 0-100% WW dimming
CH2	CW	000-255: 0-100% CW dimming
CH3	Fill light R	000-255: 0-100% Fill light dimming
CH4	Fill light G	000-255: 0-100% Fill light dimming
CH5	Fill light B	000-255: 0-100% Fill light dimming
CH6	Dimming	000-255: 0-100% Total dimming
CH7	Fill light Dimming	000-255: 0-100% Fill light dimming
CH8	Fill light Strobe	000-255: Fill light Strobe
CH9	Fill light Effect	000-255: Choose 13 self-propelled effects from 12 segments
CH10	Fill light Speed	000-255: Fill light Speed
CH11	Strobe	000-255: Strobe
CH12	Zoom	000-255: Electric Zoom, high byte
CH13	Zoom	000-255: Electric Zoom, Low Byte
CH14	Zoom speed	000-255: Electric Zoom speed
CH15	Reset	000-255: Reset
CH16	CCT	000-255: 0%-100% CCT
CH17	Saturation	000-255: Bi-color light placeholder
CH18	Function macro	000-255: 13 color temperature presets
CH19	Dimming curve	000-255: 4 Dimming curve
CH20	Frequency	000-255: 1.2K - 24K Hz
CH21	Built-in effects	000-255: Built-in effects
CH22	Effect speed	000-255: Effect speed
CH23	Dimming time	000-255: Dimming time 0-5s

24 CH	Mode	Function
CH24	Dimming mode	000-255: 7 modes

29 CH	Mode	Function
CH1	WW	000-255: 0-100% WW dimming
CH2	CW	000-255: 0-100% CW dimming
CH3	Fill light R	000-255: 0-100% Fill light dimming
CH4	Fill light G	000-255: 0-100% Fill light dimming
CH5	Fill light B	000-255: 0-100% Fill light dimming
CH6	Dimming	000-255: 0-100% Total dimming
CH7	Fill light Dimming	000-255: 0-100% Fill light dimming
CH8	Fill light Strobe	000-255: Fill light Strobe
CH9	Fill light Effect	000-255: Choose 13 self-propelled effects from 12 segments
CH10	Fill light Speed	000-255: Fill light Speed
CH11	Stroboscopic rate	000-255: Stroboscopic rate
CH12	Strobe mode	000-255: Strobe mode
CH13	Pulse width	000-255: Pulse width
CH14	Zoom	000-255: Electric Zoom, high byte
CH15	Zoom	000-255: Electric Zoom, Low Byte
CH16	Forward rotation speed	000-255: Forward rotation speed
CH17	Inversion speed	000-255: Inversion speed
CH18	Zoom speed	000-255: Zoom speed
CH19	Reset	000-255: Reset
CH20	CCT	000-255: CCT
CH21	Saturation	000-255: reserved for dual-color lights, not parsed
CH22	Function macro	000-255: 13 color temperature presets
CH23	Main and auxiliary mixed color	000: No function
		001-085: Auxiliary light follows the main light
		086-170: Auxiliary light white
		171-255: Auxiliary light complementation
CH24	Dimming curve	000-255: 4 Dimming curve
CH25	Frequency	000-255: 1.2K - 24K Hz
CH26	Automatic program	000-255: Automatic program
CH27	Program speed	000-255: Program speed
CH28	Dimming time	000-255: Dimming time 0-5s
CH29	Dimming mode	000-255: 7 modes

Function macro

Value	Explanation
000-015	No-functional
016-055	Main light strobe
056-075	Zoom speed

Value	Explanation
076-175	Light effect, choose from 13 self-moving light effects in 12 sections (breathing/rainbow/chasing/flowing water/strobe/two-color breathing/rainbow chasing/meteor/wave/starry sky/spiral/automatic)
176-255	Self-propelled effect
	76 Gradient / 192 Rainbow / 208 Breathing / 224 Pulse / 240 Self-moving Effect

Fixture Cleaning

Due to fog residue, smoke, and dust cleaning the internal and external optical lenses and mirror should be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew). In heavy club use we recommend cleaning on a monthly basis. Periodic cleaning will ensure longevity, and crisp output.

To clean the fixture:

1. Disconnect the fixture from power and allow it to cool for at least 10 minutes.
2. Vacuum or gently blow away dust and loose particles from the outside of the fixture with low-pressure compressed air.
3. Clean the surfaces by wiping gently with a soft, clean lint-free cloth moistened with a weak detergent solution. Do not rub glass surfaces hard: lift particles off with a soft repeated press. Dry with a soft, clean, lint-free cloth or low-pressure compressed air. Remove stuck particles with an unscented tissue or cotton swab moistened with glass cleaner or distilled water.
4. Check that the fixture is dry before reapplying power.

Fuse Replacement

This fuse is located in a fuseholder next to the MAINS OUT socket on the connections panel.

To replace a fuse:

1. Disconnect the fixture from power and allow it to cool for at least 10 minutes.
2. Unscrew the cap of the fuseholder and remove the fuse. Replace with a fuse of the same size and rating only.
3. Reinstall the fuseholder cap before reapplying power.

Troubleshooting

Listed below are a few common problems that you may encounter, with solutions.

The fixture does not work, no light

- Check the connection of power and main fuse. Be sure the external fuse has not blown.
- Measure the mains voltage on the main connector.

Technical specifications

Model	F2
Power supply:	AC100-240V, 50/60Hz
LED:	200W WW + 200W CW
Color temperature:	2300K - 7500K
Zoom:	25° - 60°
Power connection:	PowerCON in & out
Signal connection:	3-pin XLR in & out
DMX channels:	12/19/24/29CH
Control mode:	DMX and RDM controls
Housing:	Colour black
Size(barn door excluded):	233 * 151 * 145 mm
Enviroment:	IP65

Please note: All information is subject to change without prior notice.