



SHOCOBRA FX1

Flexible Pixel Controller

KEY FEATURES

The ShoCobra FX1 is capable of controlling thousands of LED pixels via Art-Net. This small controller packs a lot of features and the creative options are limitless. The powerful onboard software makes it the ideal real-time solution for your LED project. No DMX recording needed!

INPUT & OUTPUT

The ShoCobra FX1 can control up to 8 universes of data (1.360 RGB LED pixels). At a maximum of 120 frames per second* the light show will run smooth and responsive. Also, the device has 5 triggers that can be mapped to different actions (Play scene, Black-out, etc).

WEB INTERFACE

Programming the ShoCobra FX1 is easy with to the web interface. Connect a laptop to the same network and start programming without any software. Just use the browser.

ENCLOSURE

The enclosure is designed for 35mm DIN-rail that makes mounting quick and easy. With a low profile and negligible heat development this device will fit anywhere.

PACKAGE CONTENTS

- ShoCobra FX1
- Connector for Trigger inputs
- Connector for DC power
- Quick start guide

CREATIVE SPECIFICATIONS

Max. pixels in mapping	1.360
Max. Groups	8
Max. effect presets	64
Max. scene presets	64
Max. cues	64
Max. presets per scene	8
Max. running effects at the same time	8*

LIGHT EFFECTS

- Solid Color
- Color Scroll
- Color Chase
- Color Change
- Rainbow
- Sparkle
- Spooky Light
- Police Siren
- Strobe
- Flash
- Custom effects possible**

INPUT & OUTPUT SPECIFICATIONS

Lighting data output	Art-Net
Max. FPS output	120fps*
Input triggers	5
Digital triggers	REST, UDP

TECHNICAL SPECIFICATIONS

Voltage range	8 – 48VDC via 2-pin terminal
Power consumption	< 1W
Protection	Short-Circuit, Reverse Polarity, Temperature warning
Data Output	12 x 512 channels Art-Net 3.0, supports Art-Net Sync
Trigger input	5 triggers + GND 6-pin Trigger optical isolated, short to GND for trigger
Ethernet	10/100Mbit Auto MDI-X
Dimensions	Length: 53mm Width:90mm Height: 58mm
Weight	80g
Operating temperature	-10 °C to 70 °C non-condensing
Enclosure	UL94-V0 flame retardant Polycarbonate, non-conductive
IP Rating	IP20
Certificates	RoHS

MORE INFORMATION

For more information please visit: www.shocobra.com

* Limited by CPU usage

** Please contact ShoCobra for the possibilities



DMX INPUT PROTOCOL

Channel	Value	Function	Type of control
1	0 - 255	Master brightness	Proportional
2	0 - 127	Black out off	Step
	128 - 256	Black out on	Step
3	0 - 64	Scene select	Step
	65 - 255	invalid	Invalid

Due to continuous improvements and innovations of all ShoCobra products, specifications and features are subject to change without notice.

