

XLED FX

by **bright**



Instructions:

- Do not open this device – there are no user-serviceable parts inside.
- Do not look directly at the light source when the device is on.
- Caution, this unit's housing may be hot when lights are operating.
- Do not leave any flammable material within 50 cm of this unit while operating or connected to power.
- Always use a safety cable when mounting this device overhead.
- Do not operate this device outdoors or in location where dust, excessive heat, water, or humidity may affect it.
- Do not connect this device to a dimmer or other regulated power
- Only connect this device to a grounded and protected circuit.
- Switchmode powers has high inrush-currents, do not exceed 8A on the output Powercon when daisy-chaining fixtures (12 units @ 230V)
- This unit is intended for special effects, and should only temporary be used for continuous output, to avoid overheating.

Main Features:

- High Output 150W 9 zone SMD 5600K led-engine
- 110° wide angle Blinder Strobe
- Industry standard 5pin XLR and PowerCon
- Inputs and outputs for easy daisy-chaining.
- DMX controlled rise-time
- RDM remote addressing
- Easy and intuitive Local menu structure.
- Firmware cloning from fixture to fixture
- Intelligent yoke-design enables direct floor-mount without removal of hook clamp.
- Stealth design: All black parts, (body, yoke, hook clamp & bolt), Automatic dimming of LCD backlight.
- Compact size, low weight and power consumption

Display Navigation



DMX Mode
A001 C04

When XLED FX is already in DMX-mode, the DMX start address is displayed on the left side (Axxx), while the DMX channel count is displayed on the right side (Cxx).

Use the Up/Down buttons to alter the DMX start address, and press Enter/Confirm to set the address permanently.

When receiving valid DMX, a blinking dot is displayed between the address and the channel count:



DMX Mode
A001.C04



>DMX Add
DMX Cha
Manual
Auto Pr
Sound
Mas/Sla
Reset
Update

If the XLED FX is not in DMX-mode, or to change other settings than the start address, press the Menu button to access the main menu:

Menu/Exit     Enter/Confirm
Up Down

Navigate the main menu with the Up/Down buttons, and use the Enter/Confirm button to select a menu item. The XLED HD will return to its previous state if no new setting or mode has been confirmed within 10 seconds.

DMX start Address

Use Up/Down to alter the DMX start Address (001→xxx), then press Enter/Confirm to set the chosen start address permanently.



DMX Addr
<011>

“xxx” (highest address) is determined by the chosen channel-mode. (e.g. in 2ch mode max address is 511)



DMX Mode
A011 C04

- Setting the DMX start Address will activate “DMX Mode”

DMX Channel count

Use Up/Down to alter the DMX channel count (2ch, 4ch, 14ch), then press Enter/Confirm to set the chosen Channel count permanently.

- Setting the DMX Channel count will activate "DMX Mode"



DMX Chan
<04>



DMX Mode
A011 C04

Manual Control

Use Up/Down and Enter/Confirm to sequentially set the dimmer value and the strobe speed..



Dimmer
<075>



Strobe
<2Hz>



Manual
Mode

- Setting a manual value will activate "Manual Mode"

Automatic Programs

Use Up/Down and Enter/Confirm to choose an Auto program and set the speed of the program.



Auto Pr
Pr<02>



Auto Pr
Sp<080>



Auto Pr
Mode

- Setting a program will activate "Auto Pr" mode

Sound trig

Use Up/Down to adjust the sensitivity (Sen000→Sen100) of the in-build microphone, then press Enter/Confirm to set Sound sensitivity permanently.

- Setting the Sound sensitivity will activate "Sound" mode



Sound
<Sen070>



Sound
Mode

Master/Slave Operation

Use Up/Down to choose Master or Slave, and press Enter/Confirm.

Mas/Slav
<Off>

When using any of the standalone operating modes: auto, sound, or manual with Master enabled, the Master fixture will transmit and remote control any fixtures set to Slave Mode.

Slave
Mode

- Setting Master/Slave to Slave will activate “Slave Mode”

Factory Reset

Use Up/Down to select <Y> for yes, then press Enter/Confirm to reset the fixture to factory default settings.

Reset
<N>/ Y

DMX Mode
A001 C04

- Resetting the fixture will activate “DMX Mode”

Firmware Update

Use Up/Down to select <Y> for yes, then press Enter/Confirm to set the fixture in update mode.

Update
<N>/ Y

Connect another fixture (unpowered) with Spin, then apply power. When the second fixture displays “Waiting for file”, Press Enter/Confirm on the original fixture to start transferring firmware to the second fixture.

Update
<Start>

- Press Menu/Exit twice to return to Main menu when done

DMX channels:

The XLED FX may be set to use 2, 4, or 14 DMX channels.

Please refer to the DMX Charts for detailed description of each channel

2 Channel mode

1	2
Dim	Strobe

The 2 channel mode gives easy access to intensity and strobe speed from manual consoles, With Ch 2 set to full, the fixture may temporary be used for continuous output. Be aware that using continuous output over a longer period, may force the fixture to reduce output to maintain safe working temperature

4 Channel mode

1	2	3	4
Dim	Duration	Speed	Mode

The 4 channel mode uses classic 4 channels control, and gives familiar access to single flash, flash-duration and speed along with effect-modes like ramp up, ramp down etc.

14 Channel mode

1	2	3	4	5	6	7	8	9	10	11	12	13	14
R1	R2	R3	R4	R5	R6	R7	R8	R9	Dim	Strobe	Effect Select	Effect speed	Rise- time

The 14 channel mode gives individual dimmer access to all 9 LED-rings, master dimmer and shutter/strobe with additional random and audio-trig, prebuild effects with speed control for the 9 rings, and finally the rise-time channel allows for emulation of typical response-profiles found in conventional dimmer and filament lamps.

DMX Chart

2 Channel mode

CHANNEL	VALUE	FUNCTION
1	000-255	Master dimmer 0% → 100%
	000	Single flash on ch 1
2	001-254	Strobe 1Hz → 25Hz
	255	Continuously on

4 Channel mode

CHANNEL	VALUE	FUNCTION
1	000-255	Master dimmer 0% → 100%
2	000-254	Flash Duration 7-600ms
	255	Continuously on
3	000	Single flash on ch 1
	001-255	Strobe 1 → 25Hz
	000-005	Normal
	006-042	Pulse Open
	043-085	Pulse Close
4	086-128	Pulse
	129-171	Rnd
	172-214	Lightning
	215-255	Audio trig

14 Channel mode

CHANNEL	VALUE	FUNCTION
1	000-255	Ring 1 dimmer 0% → 100%
2	000-255	Ring 2 dimmer 0% → 100%
3	000-255	Ring 3 dimmer 0% → 100%
4	000-255	Ring 4 dimmer 0% → 100%
5	000-255	Ring 5 dimmer 0% → 100%
6	000-255	Ring 6 dimmer 0% → 100%
7	000-255	Ring 7 dimmer 0% → 100%
8	000-255	Ring 8 dimmer 0% → 100%
9	000-255	Ring 9 dimmer 0% → 100%
10	000-255	Master dimmer 0% → 100%
11	000-007	Shutter Closed
	008-015	Shutter Open
	016-119	Strobe Slow → Fast
	120-127	Shutter Open
	128-183	Strobe Random Slow → Fast
	184-191	Shutter Open
	192-247	Strobe Audio Slow → Fast
12	248-255	Shutter Open
	000-009	No Effect
	010-028	Effect 1
	029-048	Effect 2
	049-068	Effect 3
	069-088	Effect 4
	089-108	Effect 5
	109-128	Effect 6
	129-148	Effect 7
	149-168	Effect 8
	169-188	Effect 9
	189-208	Effect 10
	209-228	Effect 11
	229-248	Effect 12
	249-255	Audio trig

13	000-255	Effect Speed Slow → Fast
	000-031	Instant response
	032-063	Short rise-time
	064-095	Medium rise-time
	096-127	Long rise-time
14	128-159	Extra-long rise-time
	160-191	[reserved]
	192-223	[reserved]
	224-255	[reserved]

Technical Specification:

Construction	
Housing	Black Die-cast Aluminum Body, Iron Yoke
Cooling System	Passive fanless, Temperature protection
Power Input/Output	Neutrik Powercon
DMX Input/Output	5-pin XLR
Display	Blue/white Backlit LCD, auto-dimmed when idle.
Dimension (LxWxH)	102 x 263 x 287 mm
Weight	3.4kg (clamp included)
Electric	
Power supply	100-240V AC, 50/60 Hz
Power consumption	150W, , 1.25A@120V 0.65A@230V
LED Driver	Constant Current Driver, 1280Hz (Flicker Free)
Fuse	T2A , 250V
Optics	
Light Source	405 x SMD 5600k CRI85
Luminous Flux	tba
Beam/Field Angle	100°/120°
Functions	
Control Modes	DMX512, RDM, Manual, Auto, Sound, Master/Slave
DMX Channels	2/4/14CH
Operation	
Temperature	Max ambient temperature Ta: 40°C Max housing temperature Tc (steady state): 80°C
Distance	Min. distance from flammable surfaces: 0.5 m Min. distance to lighted object: 0.1 m
Compliance	
LVD	EN60598-2-17:1989+A2:1991 EN60598-1:2008+A11:2009
EMC	EN55015:2006+A1:2007+A2:2009 EN61547:2009 EN61000-3-2:2006+A12009+A2:2009 EN61000-3-3:2008



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