



Zero 88 ZerOS Server Lighting Control System Instruction Manual

[Home](#) » [zero 88](#) » Zero 88 ZerOS Server Lighting Control System Instruction Manual 

Contents

- [1 Zero 88 ZerOS Server Lighting Control System](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 FLX & ZerOS Server](#)
- [5 Documents / Resources](#)
 - [5.1 References](#)
- [6 Related Posts](#)



Zero 88 ZerOS Server Lighting Control System



Product Information

Specifications:

- **Mains Inlet:** Neutrik PowerCON TRUE1 (NAC3MPX)

- **Power Requirements:** 100 – 240V AC; MAX 1A 50 – 60Hz, 60W
- **USB Ports:** Five external USB ports (USB 2.0 standard)
- **Ethernet Port:** Neutrik etherCON RJ45
- **Kensington Lock Slot:** Yes
- **Video Output:** 1 x DVI-I connector (DVI-D output only)
- **MIDI:** 2 x 5 pin DIN connectors providing MIDI input and MIDI thru
- **Remote Input:** 9 pin D-sub connector providing 8 remote switches
- **CAN Network:** Phoenix connector

Product Usage Instructions

- **Mains Inlet:**

The FLX & ZerOS Server have a Neutrik PowerCON TRUE1 (NAC3MPX) mains inlet on the back panel. To power on the desk, use the power on/off switch. If the desk does not power up and you suspect that the fuse has failed, contact an authorized service agent as the internal fuse is not user replaceable. When using a UK style plug (BS 1363), make sure to fit a 5A fuse.

- **USB Ports:**

The FLX has five external USB ports, two located on the rear of the console, one on the front panel, and one on either side. The ZerOS Server has three external USB ports, two located on the rear of the server and one on the front. These USB ports support the USB 2.0 standard and are overload protected in pairs. If a USB device tries to draw too much power, ZerOS will disable that pair of ports until the device is unplugged. The USB ports can be used for connecting:

- Wings
- Keyboard & Mouse
- External Touchscreen (DVI-D also required)
- External Storage Devices (such as Memory Sticks)
- USB Desk Lights

Note: Do not plug in devices that break the Universal Serial Bus standard to avoid damage to the FLX.

- **Ethernet:**

The FLX & ZerOS Server are fitted with a Neutrik etherCON RJ45 Ethernet port. They are capable of supporting various Ethernet protocols.

- **Kensington Lock:**

A Kensington-style lock slot is provided on the FLX & ZerOS Server for securing the console to an operating location using a standard laptop lock cable.

- **Video Output:**

There is 1 x DVI-I connector available, but it only supports DVI-D output.

- **MIDI:**

The FLX & ZerOS Server have 2 x 5 pin DIN connectors providing MIDI input and MIDI thru functionality.

- **Remote Input:**

A 9 pin D-sub connector is provided for 8 remote switches with a common ground. To simulate a button push, short pin 1-8 to pin 9 (common).

- **CAN Network:**

A phoenix connector is provided to connect to the CAN network.

FAQ (Frequently Asked Questions)

1. Q: Can I replace the internal fuse myself?

A: No, the internal fuse is not user replaceable. If you suspect that the fuse has failed, contact an authorized service agent.

2. Q: What type of USB ports are available on the FLX and ZerOS Server?

A: The USB ports on both the FLX and ZerOS Server support the USB 2.0 standard.

3. Q: What happens if a USB device draws too much power?

A: If a USB device tries to draw too much power, ZerOS will disable the pair of ports that the device is connected to until the device is unplugged.

4. Q: Can I connect an external touchscreen to the FLX or ZerOS Server?

A: Yes, you can connect an external touchscreen to the FLX or ZerOS Server. However, please note that a DVI-D connection is also required.

5. Q: Is it safe to plug in devices that break the Universal Serial Bus standard?

A: No, Zero 88 cannot be responsible for any damage caused to the FLX by plugging in devices that break the Universal Serial Bus standard. It is recommended to avoid using such devices.

FLX & ZerOS Server

Mains Inlet

- FLX & ZerOS Server are fitted with a Neutrik PowerCON TRUE1 (NAC3MPX) mains inlet on the back panel, and power on/off switch.
- The internal fuse is not user replaceable, contact an authorized service agent if the desk does not power up and you suspect that the fuse has failed. When using a UK style plug (BS 1363), a 5A fuse should be fitted.
- 100 – 240V AC; MAX 1A 50 – 60Hz, 60W INTERNALLY FUSED. A GOOD EARTH CONNECTION IS ESSENTIAL.

USB ports

- Five external USB ports are fitted on the FLX. Two located on the rear of the console, one on the front panel, and one on either side. Three external USB ports are fitted to ZerOS Server. Two located on the rear of the server and one on the front. These support the USB 2.0 standard, and are “overload protected” in pairs. If a USB device tries drawing too much power, ZerOS will disable that pair or ports until the device is unplugged.
- USB ports can be used for:
 - Wings
 - Keyboard & Mouse
 - External Touchscreen (DVI-D also required)
 - External Storage Devices (such as Memory Sticks)
 - USB Desk Lights
- Zero 88 cannot be responsible for damage caused to FLX by plugging in devices which break the Universal Serial Bus standard.

Ethernet

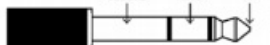
FLX & ZerOS Server is fitted with a Neutrik etherCON RJ45 Ethernet port and is capable of supporting various Ethernet protocols.

- **Kensington Lock**

A Kensington-style lock slot is provided on FLX & ZerOS Server for securing the console to an operating location, using a standard laptop lock cable.

- **Sound to Light**

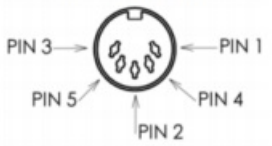


Audio Connector			Area	Desc.
	SLEEVE	RING	Tip	Left Channel
			Ring	Right Channel
			Sleeve	0V Signal Ground

A stereo 1/4" jack socket provides basic Sound to Light functionality. Left and right channels are mixed internally.

- **DMX output**

Two female Neutrik 5 pin XLR, isolated, with voltage protection and data output indicator. Data on channels 1 – 512 only. RDM support included.

MIDI Connector	Pin	In	Output/Thru
	1	Not Used	Not Used
	2	Not Used	Signal Ground
	3	Not Used	Not Used
	4	Opto Isolated Input	Output
	5	Opto Isolated Input	Output

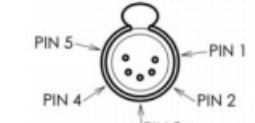
- **Video output**

1 x DVI-I connector, but DVI-D output only.



- **MIDI**

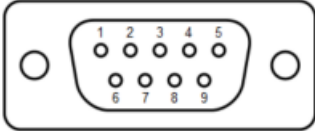
2 x 5 pin DIN connectors providing MIDI input and MIDI thru.

DMX Input Connector	Pin	Desc.
	1	Signal Ground (0V)
	2	DMX Drive Complement (1-)
	3	DMX Drive True (1+)
	4	Not Connected
	5	Not Connected

- **Remote input**

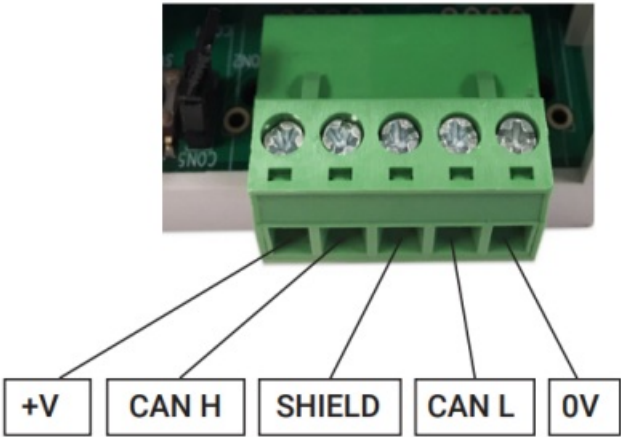
A 9 pin D-sub connector providing 8 remote switches (common ground). Short pin 1-8 to pin 9 (common) to

simulate a button push.]


Remote Input Connector	Pin	Remote Switch
	1	Switch 1
	2	Switch 2
	3	Switch 3
	4	Switch 4
	5	Switch 5
	6	Switch 6
	7	Switch 7
	8	Switch 8
	9	Common

• CAN

A phoenix connector is provided to connect to the CAN network.



Documents / Resources

	<p>Zero 88 ZerOS Server Lighting Control System [pdf] Instruction Manual ZerOS Server Lighting Control System, ZerOS Server, Lighting Control System, Control System , System</p>
---	---

References

- [User Manual](#)