

PIXEL DRIVER 4000™

user manual

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DOCUMENT VERSION

Due to additional product features and/or enhancements, an updated version of this document may be available online.

Please check www.elationlighting.com for the latest revision/update of this manual, before beginning installation and/or programming.

Date	Document Version	Software Version ≥	Notes
05/24/18	1	1.0	Initial release.
11/28/18	1.2	N/C	Updated release.

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GENERAL INFORMATION

INTRODUCTION

This fixture has been designed to perform reliably for years when the information in this manual are followed. Please read and understand all the instructions and guidelines carefully and thoroughly before operating this unit. This manual contains important information regarding safety, installation, use, and maintenance.

UNPACKING

Each fixture has been thoroughly tested and shipped in perfect operating condition. Carefully check the outer shipping carton for signs of any damage that may have occurred during shipping. If the outer carton appears to be damaged, carefully inspect the fixture for damage and be sure all included accessories have arrived intact. In the event damage has been found and/or parts are missing, please contact our customer support team for further instructions. Please do NOT return this fixture to your dealer without first contacting customer support at the number listed below. Please do NOT discard the outer shipping carton in the trash. Please recycle whenever possible.

CUSTOMER SUPPORT

Contact ELATION Service for any product related service and support needs. Also visit forums.elationlighting.com with questions, comments or suggestions.

ELATION SERVICE USA - Monday - Friday 8:00am to 4:30pm PST
323-582-3322 | Fax 323-832-9142 | support@elationlighting.com

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REPLACEMENT PARTS please visit parts.elationlighting.com



IMPORTANT NOTICE!

THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS UNIT. DO NOT ATTEMPT ANY REPAIRS YOURSELF; DOING SO WILL VOID YOUR MANUFACTURES WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS FIXTURE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURES WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS AND/OR REPAIRS.

LIMITED WARRANTY (USA ONLY)

A. Elation Professional hereby warrants, to the original purchaser, Elation Professional products to be free of manufacturing defects in material and workmanship for a period of two years (730 days), and Elation Professional product rechargeable batteries to be free of manufacturing defects in material and workmanship for a period of six months (180 days), from the original date of purchase. This warranty excludes discharge lamps and all product accessories. This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought. B. For warranty service, send the product only to the Elation Professional factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, Elation Professional will pay return shipping charges only to a designated point within the United States. If any product is sent, it must be shipped in its original package and packaging material. No accessories should be shipped with the product. If any accessories are shipped with the product, Elation Professional shall have no liability what so ever for loss and/or or damage to any such accessories, nor for the safe return thereof. C. This warranty is void if the product serial number and/or labels are altered or removed; if the product is modified in any manner which Elation Professional concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the Elation Professional factory unless prior written authorization was issued to purchaser by Elation Professional; if the product is damaged because not properly maintained as set forth in the product instructions, guidelines and/or user manual. D. This is not a service contract, and this warranty does not include any maintenance, cleaning or periodic check-up. During the periods as specified above, Elation Professional will replace defective parts at its expense, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of Elation Professional under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of Elation Professional. All products covered by this warranty were manufactured after January 1, 1990, and bare identifying marks to that effect. E. Elation Professional reserves the right to make changes in design and/or performance improvements upon its products without any obligation to include these changes in any products theretofore manufactured. F. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with the products described above. Except to the extent prohibited by applicable law, all implied warranties made by Elation Professional in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty periods set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said periods have expired. The consumer's and/or dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall Elation Professional be liable for any loss and/or damage, direct and/or consequential, arising out of the use of, and/or the inability to use, this product. G. This warranty is the only written warranty applicable to Elation Professional products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

WARRANTY RETURNS

All returned service items whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper and included in the shipping container. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. Items returned without a R.A. number clearly marked on the outside of the package will be refused and returned at customer's expense. You may obtain a R.A. number by contacting customer support.

SAFETY GUIDELINES

This device is a sophisticated piece of electronic equipment. To guarantee a smooth operation, it is important to follow all instructions and guidelines in this manual. Elation Professional is not responsible for injury and/or damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual. Only qualified and/or certified personnel should perform installation of this device and only the original rigging parts included with this device should be used for installation. Any modifications to the device and/or the included mounting hardware will void the original manufactures warranty and increase the risk of damage and/or personal injury.



PROTECTION CLASS 1 - DEVICE MUST BE PROPERLY GROUNDED



**THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS UNIT.
DO NOT ATTEMPT ANY REPAIRS YOURSELF; DOING SO WILL VOID YOUR MANUFACTURES WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS DEVICE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURES WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS AND/OR REPAIRS.**



**DO NOT PLUG DEVICE INTO A DIMMER PACK!
NEVER OPEN THIS DEVICE WHILE IN USE!
UNPLUG POWER BEFORE SERVICING DEVICE!
KEEP FLAMMABLE MATERIALS AWAY FROM DEVICE!**



**INDOOR / DRY LOCATIONS USE ONLY!
DO NOT EXPOSE FIXTURE TO RAIN AND MOISTURE!**

S A F E T Y G U I D E L I N E S

DO NOT shake device, avoid brute force when installing and/or operating device.

DO NOT operate device if the power cord is frayed, crimped, damaged and/or if any of the power cord connectors are damaged and do not insert into the device securely with ease.

NEVER force a power cord connector into the device. If the power cord or any of its connectors are damaged, replace it immediately with a new one of similar power rating.

DO NOT block any air ventilation slots.

All fan and air inlets must remain clean and never blocked.

Allow approx. 6" (15cm) between the device and other devices or a wall for proper cooling.

When installing device in a suspended environment, always use mounting hardware that is no less than M10 x 25 mm, and always install device with an appropriately rated safety cable.

Always disconnect device from main power source before performing any type of service and/or cleaning procedure. Only handle the power cord by the plug end, never pull out the plug by tugging the wire portion of the cord.

Consistent operational breaks will ensure the device will function properly for many years.

ONLY Use the original packaging and materials to transport the device in for service.

MAINTENANCE GUIDELINES



DISCONNECT POWER BEFORE PERFORMING ANY MAINTENANCE!

CLEANING

Frequent cleaning is recommended to insure proper function and extended life. The frequency of cleaning depends on the environment in which the device operates: damp, smoky or particularly dirty environments can cause greater accumulation of dirt on the device and air vents. Clean the external surface at least every 30 days with a soft cloth to avoid dirt/debris accumulation.

NEVER use alcohol, solvents, or ammonia-based cleaners.

MAINTENANCE

Regular inspections are recommended to insure proper function and extended life.

There are no user serviceable parts inside this device, please refer all other service issues to an authorized Elation service technician. Should you need any spare parts, please order genuine parts from your local Elation dealer.

Please refer to the following points during routine inspections:

A detailed electric check by an approved electrical engineer every three months to make sure the circuit contacts are in good condition and prevent overheating.

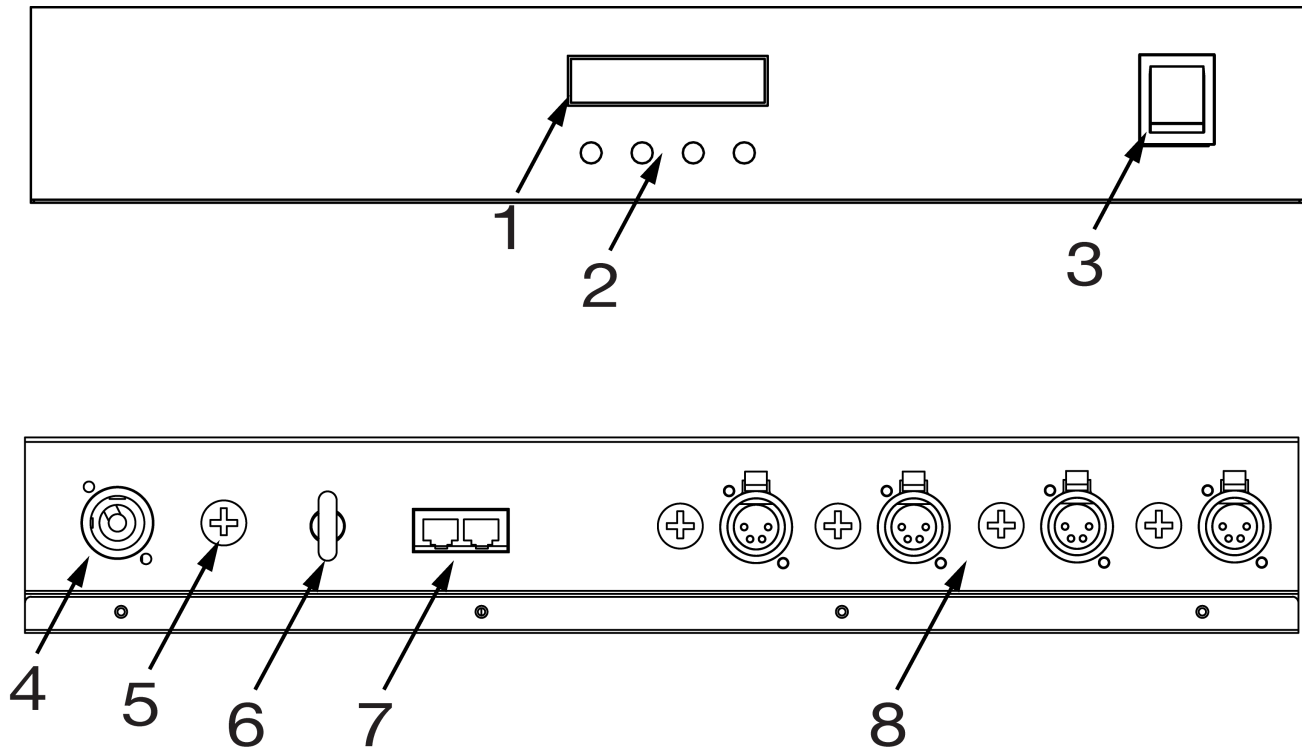
Be sure all screws and fasteners are securely tightened at all times. Loose screws may fall out during normal operation resulting in damage or injury as larger parts could fall.

Check for any deformations on the housing, rigging hardware and rigging points (ceiling, suspension, trussing). Deformations in the housing could allow for dust to enter into the device. Damaged rigging points or unsecured rigging could cause the device to fall and seriously injure a person(s).

Electric power supply cables must not show any damage, material fatigue or sediments.

NEVER remove the ground prong from the power cable.

DEVICE OVERVIEW



1. LCD System Menu Control Display
2. Mode, Setup, Up, Down Menu Control Buttons
3. Power Switch
4. powerCON Power Cable Input
5. 10A Fuse
6. Safety Cable Attachment Loop
7. RJ45 Ethernet In/Out Ports (Kling-NET, Art-NET/sACN)
8. Output Ports 1-4 (10A Fuse each)

INCLUDED ITEMS

PIXEL DRIVER 4000

19" Rack Mount Kit

powerCON Power Cable

3m (9.8 ft) 4pin 16AWG Power/Data Cable

INSTALLATION GUIDELINES



FLAMMABLE MATERIAL WARNING

Keep device minimum 5.0 feet (1.5m) away from flammable materials and/or pyrotechnics.



ELECTRICAL CONNECTIONS

A qualified electrician should be used for all electrical connections and/or installations.



PIXEL DRIVER 400 INDOOR / DRY LOCATIONS USE ONLY! DO NOT EXPOSE PIXEL DRIVER 4000 TO RAIN AND MOISTURE!



DO NOT INSTALL THE DEVICE IF YOU ARE NOT QUALIFIED TO DO SO!

Device **MUST** be installed following all local, national, and country commercial electrical and construction codes and regulations.

Before rigging/mounting the device to any metal truss/structure or placing the device on any surface, a professional equipment installer **MUST** be consulted to determine if the metal truss/structure or surface is properly certified to safely hold the combined weight of the device, clamps, cables, and accessories. Overhead device installation must always be secured with a secondary safety attachment, such as an appropriately rated safety cable that meets all local, national, and country codes and regulations.

Device ambient operating temperature range is **14° to 113°F. (-10° to 45°C)**

Do not use the device under or above this temperature.

Device should be installed in areas outside walking paths, seating areas, or away from areas where unauthorized personnel might reach the fixture by hand.

NEVER stand directly below the device when rigging, removing or servicing.

INSTALLATION GUIDELINES

RACK MOUNTING

The device can be rack mounted in a standard 19-inch rack space. Attach the included rack ears to both sides of the device using the included screws. Tighten rack ear screws securely but do NOT over tighten. Use careful planning when rack mounting the device to allow ample space for the power/data cables.

TRUSS MOUNTING

The device can be attached to truss or a like structure using an appropriated truss clamp (not included) and an M10 screw (not included).



SAFETY CABLE

ALWAYS ATTACH A SAFETY CABLE TO THE SAFETY CABLE LOOP ON THE BACK OF THE DEVICE WHENEVER INSTALLING THIS DEVICE IN A SUSPENDED ENVIRONMENT TO ENSURE THE FIXTURE WILL NOT DROP IF THE CLAMP FAILS.

RIGGING

Overhead rigging requires extensive experience, including amongst others calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the device. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.



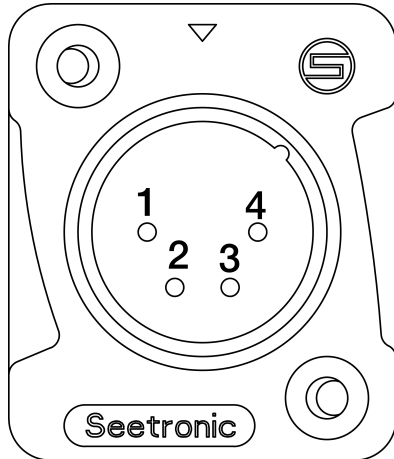
INSTALLATION LOCATION PLANNING

Use careful planning to select the installation location of the **PIXEL DRIVER 4000** unit(s). The maximum distance from the driver to the first pixel bar can NOT exceed **50 feet (18m)**.

CONNECTIONS AND CABLES

CONNECTIONS

The device features RJ45 Ethernet in/out and 4pin power/data combination output connections. The wiring diagram below provides the pin details for the power/data outputs.



PIN #1 - (+) Power

PIN #2 - Data

PIN #3 - CLK (clock pin)

PIN #4 - (-) Power

CABLES

ELATION P BAR IP 4pin 16AWG power/data cables are available in various lengths. See Optional Accessories for details.



MAXIMUM CABLE DISTANCES – 16AWG

The following maximum cable distances apply when using 16AWG cables.

PIXEL DRIVER 4000 to 1st PIXEL BAR IP = **Maximum 50 feet (18 meters)**

PIXEL BAR IP to PIXEL BAR IP = **Maximum 32 feet (10 meters)**

Total combined length of cables can NOT exceed = **Maximum 98 feet (30 meters)**



MAXIMUM CABLE DISTANCES – 12AWG

The following maximum cable distances apply when using 12AWG cables.

PIXEL DRIVER 4000 to 1st PIXEL BAR IP = **Maximum 50 feet (18 meters)**

PIXEL BAR IP to PIXEL BAR IP = **Maximum 32 feet (10 meters)**

Total combined length of cables can NOT exceed = **Maximum 213 feet (65 meters)**

SYSTEM CONFIGURATION

LINKING

Maximum number pixels/bars each **PIXEL DRIVER 4000** supports is listed in charts below. Multiple combinations of **PIXEL BAR IP** models can be linked (daisy-chained) together to a single driver port, providing the maximum number of pixels/bars is NOT exceeded.

KLING-NET = 1,020 Max Pixels per PIXEL DRIVER 4000 Port

Art-NET/sACN = 170 Max Pixels per PIXEL DRIVER 4000 Port

MODEL	TOTAL PIXELS	TOTAL CONTROL CHANNELS	KLING-NET 1,020 Max Pixels per Driver Port 4,080 Max Pixels per Driver Unit			
			MAX BARS per DRIVER PORT	MAX PIXELS per DRIVER PORT	MAX BARS per DRIVER UNIT	MAX PIXELS per DRIVER UNIT
PIXEL BAR 30IP	30	90	34	1020	136	4080
PIXEL BAR 60IP	60	180	17	1020	68	4080
PIXEL BAR 120IP	120	360	8	960	32	3840

MODEL	TOTAL PIXELS	TOTAL CONTROL CHANNELS	ART-NET/sACN 170 Max Pixels per Driver Port 680 Max Pixels per Driver Unit			
			MAX BARS per DRIVER PORT	MAX PIXELS per DRIVER PORT	MAX BARS per DRIVER UNIT	MAX PIXELS per DRIVER UNIT
PIXEL BAR 30IP	30	90	5	150	20	600
PIXEL BAR 60IP	60	180	2	120	8	480
PIXEL BAR 120IP	120	360	1	120	4	480

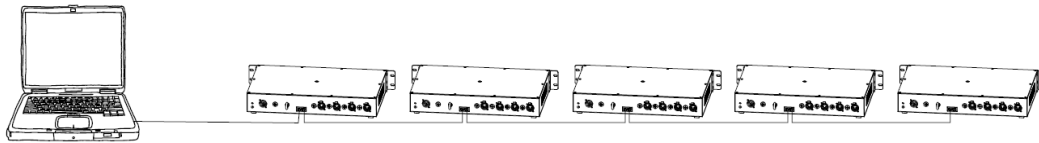
SYSTEM CONFIGURATION

CONTROL

PIXEL DRIVER 4000 supports Kling-NET, Art-NET, and sACN control protocols. It can be controlled by an Art-NET compatible controller/console and for advanced pixel programming, it can be controlled via a computer with media software such as **ArKaos Media Master**. The driver also includes 16 internal programs for easy stand-alone demo proposes, which can be accessed manually from the 4-button LCD control menu display.

PC – DRIVER DIRECT CONNECTION

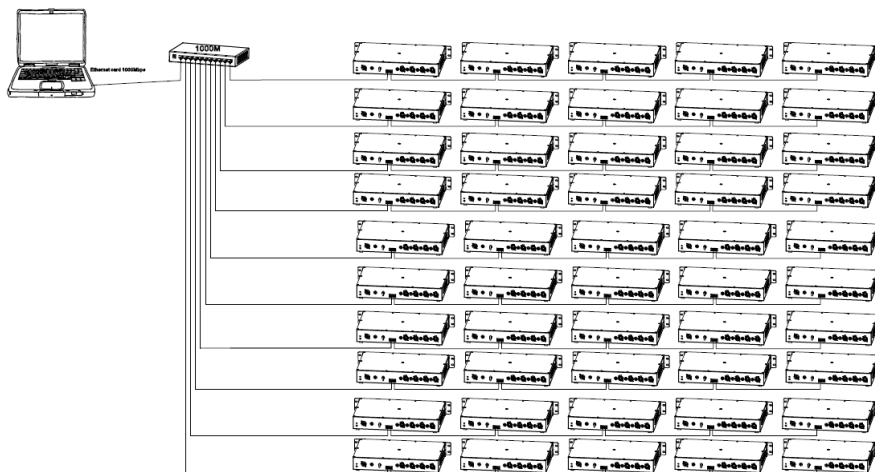
Up to 5 **PIXEL DRIVER 4000** units can be linked (daisy-chained) from a computer. For systems requiring more than 5 drivers, see the next section for more information.



PC – NETWORK SWITCH CONNECTION

Up to 50 **PIXEL DRIVER 4000** units can be linked (daisy-chained) from a computer and a **Gigabit Ethernet Switch** (not included) that supports **IGMP (Internet Group Management Protocol)**. Using a **Gigabit Ethernet Switch** that does not support **IGMP** can cause erratic behavior of all connected devices to the switch. Click link for more information about **IGMP**. https://en.wikipedia.org/wiki/Internet_Group_Management_Protocol

Up to 5 **PIXEL DRIVER 4000** units can be connected per ethernet switch port and up to 10 total ethernet switch ports can be used in a system.



SYSTEM MENU

Supports Software Versions: ≥ 1.0			
Features are subject to change without any prior written notice.			
MODE button	SET UP button	UP/DOWN buttons	DESCRIPTION
MANUAL CONTROL	RED:	000-255	Manually adjust RED LED Intensity
	GREEN:	000-255	Manually adjust GREEN LED Intensity
	BLUE:	000-255	Manually adjust BLUE LED Intensity
	OUT1:	ENABLE/DISABLE	Enable or Disable OUTPUT #1
	OUT2:	ENABLE/DISABLE	Enable or Disable OUTPUT #2
	OUT3:	ENABLE/DISABLE	Enable or Disable OUTPUT #3
	OUT4:	ENABLE/DISABLE	Enable or Disable OUTPUT #3
KLINGNET	PIXEL BAR SETUP	KLINGNET OUT1 PIXEL BAR XXXIP	Set Pixel Bar Model - OUTPUT #1
		KLINGNET OUT1 XXXIP NUMBER XX	Set Number of Pixel Bar Model - OUTPUT #1
		KLINGNET OUT2 PIXEL BAR XXXIP	Set Pixel Bar Model - OUTPUT #2
		KLINGNET OUT2 XXXIP NUMBER XX	Set Number of Pixel Bar Model - OUTPUT #2
		KLINGNET OUT3 PIXEL BAR XXXIP	Set Pixel Bar Model - OUTPUT #3
		KLINGNET OUT3 XXXIP NUMBER XX	Set Number of Pixel Bar Model - OUTPUT #3
		KLINGNET OUT4 PIXEL BAR XXXIP	Set Pixel Bar Model - OUTPUT #4
		KLINGNET OUT4 XXXIP NUMBER XX	Set Number of Pixel Bar Model - OUTPUT #4
ARTNET	IP ADDRESS SETUP	IP ADDRESS OUT1 XXX:XXX:XXX:XXX	Set IP Address of OUTPUT #1
		IP ADDRESS OUT2 XXX:XXX:XXX:XXX	Set IP Address of OUTPUT #2
		IP ADDRESS OUT3 XXX:XXX:XXX:XXX	Set IP Address of OUTPUT #3
		IP ADDRESS OUT4 XXX:XXX:XXX:XXX	Set IP Address of OUTPUT #4
	UNIVERSE SETUP UNIVERSE OUT1 UNIVERSE OUT2 UNIVERSE OUT3 UNIVERSE OUT4	UNIVERSE OUT1 00000-32768	Set DMX Universe of OUTPUT #1
		UNIVERSE OUT2 00000-32768	Set DMX Universe of OUTPUT #2
		UNIVERSE OUT3 00000-32768	Set DMX Universe of OUTPUT #3
		UNIVERSE OUT4 00000-32768	Set DMX Universe of OUTPUT #4

SYSTEM MENU

Supports Software Versions: ≥ 1.0				
Features are subject to change without any prior written notice.				
MODE button	SET UP button	UP/DOWN buttons	DESCRIPTION	
sACN	UNIVERSE SETUP	sACN OUT1 U00001-64000	Set DMX Universe of OUTPUT #1	
	UNIVERSE OUT1	sACN OUT1 U00001-64000	Set DMX Universe of OUTPUT #2	
	UNIVERSE OUT2	sACN OUT1 U00001-64000	Set DMX Universe of OUTPUT #3	
	UNIVERSE OUT3 UNIVERSE OUT4	sACN OUT1 U00001-64000	Set DMX Universe of OUTPUT #4	
PROGRAMS	PROGRAMS PIXEL BAR SETUP	PROGRAM OUT1 PIXEL BAR XXXIP	Set Pixel Bar Model - OUTPUT #1	
		PROGRAM OUT1 XXXIP NUMBER XX	Set Number of Pixel Bar Model - OUTPUT #1	
		PROGRAM OUT2 PIXEL BAR XXXIP	Set Pixel Bar Model - OUTPUT #2	
		PROGRAM OUT2 XXXIP NUMBER XX	Set Number of Pixel Bar Model - OUTPUT #2	
		PROGRAM OUT3 PIXEL BAR XXXIP	Set Pixel Bar Model - OUTPUT #3	
		PROGRAM OUT3 XXXIP NUMBER XX	Set Number of Pixel Bar Model - OUTPUT #3	
		PROGRAM OUT4 PIXEL BAR XXXIP	Set Pixel Bar Model - OUTPUT #4	
		PROGRAM OUT4 XXXIP NUMBER XX	Set Number of Pixel Bar Model - OUTPUT #4	
	PROGRAMS PROGRAM PLAY	PROGRAMS PROGRAM 00-16	PROGRAMS PROGRAM 00-16	Select Internal Program Number
		PROGRAMS SPEED 00-16	PROGRAMS SPEED 00-16	Select Internal Program Speed
		PROGRAMS FADE 00-16	PROGRAMS FADE 00-16	Select Internal Program Fade
		PROGRAMS PHASE TIME 00-16	PROGRAMS PHASE TIME 00-16	Select Internal Program Phase Time

SYSTEM MENU

Supports Software Versions: ≥ 1.0

Features are subject to change without any prior written notice.

MODE button	SET UP button	UP/DOWN buttons	DESCRIPTION	
KLINGNET&ARTNET	KLINGNET:	ENABLE/DISABLE	Enable or Disable Kling-NET/Art-Net Auto Detection Mode	
	KLINGNET SET PIXEL BAR SETUP	KLINGNET OUT1 PIXEL BAR XXXIP		Set Pixel Bar Model - OUTPUT #1
		KLINGNET OUT1 XXXIP NUMBER XX		Set Number of Pixel Bar Model - OUTPUT #1
		KLINGNET OUT2 PIXEL BAR XXXIP		Set Pixel Bar Model - OUTPUT #2
		KLINGNET OUT2 XXXIP NUMBER XX		Set Number of Pixel Bar Model - OUTPUT #2
		KLINGNET OUT3 PIXEL BAR XXXIP		Set Pixel Bar Model - OUTPUT #3
		KLINGNET OUT3 XXXIP NUMBER XX		Set Number of Pixel Bar Model - OUTPUT #3
		KLINGNET OUT4 PIXEL BAR XXXIP		Set Pixel Bar Model - OUTPUT #4
		KLINGNET OUT4 XXXIP NUMBER XX		Set Number of Pixel Bar Model - OUTPUT #4
	ARTNET SET IP ADDRESS SETUP	IP ADDRESS OUT1 XXX:XXX:XXX:XXX		Set IP Address of OUTPUT #1
		IP ADDRESS OUT2 XXX:XXX:XXX:XXX		Set IP Address of OUTPUT #2
		IP ADDRESS OUT3 XXX:XXX:XXX:XXX		Set IP Address of OUTPUT #3
		IP ADDRESS OUT4 XXX:XXX:XXX:XXX		Set IP Address of OUTPUT #4
	ARTNET SET UNIVERSE SETUP	UNIVERSE OUT1 00000-32768		Set DMX Universe of OUTPUT #1
		UNIVERSE OUT2 00000-32768		Set DMX Universe of OUTPUT #2
		UNIVERSE OUT3 00000-32768		Set DMX Universe of OUTPUT #3
UNIVERSE OUT4 00000-32768			Set DMX Universe of OUTPUT #4	
SETUP OPTIONS	BLGT:	ON/OFF	Set LCD Backlight ON = Always ON OFF = OFF after 20 sec	
	BRCO:	000-100	Set LCD Brightness Level	
	SYSRESET		To Reset ALL Settings to Factory Default Press UP and DOWN Buttons Together	



SYSTEM RESET

ONLY QUALIFIED TECHNICIANS SHOULD PERFORM THIS FUNCTION.

NOTE: ALL SAVED SETTINGS ARE ERASED AFTER A SYSRESET IS PERFORMED.

TECHNICAL SPECIFICATIONS

CONTROL / CONNECTIONS

Manual RGB Mode

Internal Programs

Art-NET | sACN | Kling-NET

(2) RJ45 Ethernet Ports

(4) 4pin Power/Data Outputs

SIZE / WEIGHT

Length: 16.7" (425mm)

Width: 11.9" (301mm)

Vertical Height: 2.9" (74mm)

Weight: 9.5 lbs. (4.3 kg)

ELECTRICAL / THERMAL

AC 100-240V - 50/60Hz

800W Max Power Consumption

-4° to 113°F. (-20° to 45°C)

APPROVALS / RATINGS



Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC RADIO FREQUENCY INTERFERENCE WARNINGS & INSTRUCTIONS

This product has been tested and found to comply with the limits as per Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device uses and can radiate radio frequency energy and, if not installed and used in accordance with the included instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following methods:

- Reorient or relocate the device.
- Increase the separation between the device and the receiver.
- Connect the device to an electrical outlet on a circuit different from which the radio receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

O P T I O N A L A C C E S S O R I E S

ORDER CODE	ITEM DESCRIPTION
PIX200	PIXEL BAR 30IP
PIX225	PIXEL BAR 60IP
PIX253	PIXEL BAR 120IP
PIX277	PIXEL DRIVER 4000
PIX300	P BAR IP 0.6m (2ft) 16AWG Cable
PIX313	P BAR IP 1m (3ft) 16AWG Cable
PIX326	P BAR IP 1.5m (5ft) 16AWG Cable
PIX339	P BAR IP 3m (10ft) 16AWG Cable
PIX352	P BAR IP 3.5m (12ft) 16AWG Cable
PIX365	P BAR IP 4.5m (15ft) 16AWG Cable
PIX378	P BAR IP 6m (20ft) 16AWG Cable
PIX391	P BAR IP 7.5m (25ft) 16AWG Cable
PIX411	P BAR IP 9m (30ft) 16AWG Cable
PIX424	P BAR IP 15m (50ft) 16AWG Cable
PIX450	P BAR IP MALE Cable Connector
PIX452	P BAR 30IP Replacement Clear Lens
PIX462	P BAR 30IP Rounded Frost Lens
PIX463	P BAR IP FEMALE Cable Connector
PIX471	P BAR 30IP Square Frost Lens
PIX483	P BAR 60IP Replacement Clear Lens
PIX494	P BAR 60IP Rounded Frost Lens
PIX502	P BAR 60IP Square Frost Lens
PIX515	P BAR 120IP Replacement Clear Lens
PIX526	P BAR 120IP Rounded Frost Lens
PIX537	P BAR 120IP Square Frost Lens

