

# PIXIE DRIVER 8000 V2

## User Manual

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#### **Europe Energy Saving Notice**

Energy Saving Matters (EuP 2009/125/EC)

Saving electric energy is a key to help protecting the environment. Please turn off all electrical products when they are not in use. To avoid power consumption in idle mode, disconnect all electrical equipment from power when not in use. Thank you!

#### **DOCUMENT VERSION**



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

Please check [www.adj.com](http://www.adj.com) for the latest revision/update of this manual before beginning installation and/or programming.

| Date       | Document Version | Software Version | Notes                                 |
|------------|------------------|------------------|---------------------------------------|
| 05/20/2024 | 1.0              | 1.01             | Initial Release                       |
| 04/25/2025 | 1.1              | N/C              | Update System Menu and Specifications |

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# GENERAL INFORMATION

## INTRODUCTION

Please read and understand the instructions in this manual carefully and thoroughly before attempting to operate this device. These instructions contain important safety and use information. **This product is intended for use by professionally trained personnel only, and is not suitable for private use.**

## UNPACKING

Every device has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton is damaged, carefully inspect the device for damage, and be sure all accessories necessary to install and operate the device have arrived intact. In the event that damage has been found or parts are missing, please contact our customer support team for further instructions. Please do not return this device to your dealer without first contacting customer support. Please do not discard the shipping carton in the trash. Please recycle whenever possible.

## BOX CONTENTS

Power Cable (x1)  
3-meter 4-pin Data Cable (x1)

## CUSTOMER SUPPORT

Contact ADJ Service for any product related service and support needs. Also visit [forums.adj.com](https://forums.adj.com) with questions, comments, or suggestions.

**ADJ SERVICE USA** - Monday - Friday 8:00am to 4:30pm PST  
323-582-2650 | Fax: 323-832-2941 | [support@adj.com](mailto:support@adj.com)

**ADJ SERVICE EUROPE** - Monday - Friday 08:30 to 17:00 CET  
+31 45 546 85 60 | Fax: +31 45 546 85 96 | [support@adj.eu](mailto:support@adj.eu)

**REPLACEMENT PARTS** please visit [parts.adj.com](https://parts.adj.com)



## IMPORTANT NOTICE!

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

# LIMITED WARRANTY (USA ONLY)

- A. ADJ Products, LLC hereby warrants, to the original purchaser, ADJ Products, LLC products to be free of manufacturing defects in material and workmanship for a prescribed period from the date of purchase (see specific warranty period on reverse). 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, you must obtain a Return Authorization number (RA#) before sending back the product-please contact ADJ Products, LLC Service Department at 800-322-6337. Send the product only to the ADJ Products, LLC factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, ADJ Products, LLC will pay return shipping charges only to a designated point within the United States. If the entire instrument is sent, it must be shipped in its original package. No accessories should be shipped with the product. If any accessories are shipped with the product, ADJ Products, LLC shall have no liability whatsoever for loss of or damage to any such accessories, or for the safe return thereof.
- C. This warranty is void if the serial number has been altered or removed; if the product is modified in any manner which ADJ Products, LLC concludes, after inspection, affects the reliability of the product, if the product has been repaired or service by anyone other than ADJ Products, LLC factory unless prior written authorization was issued to purchaser by ADJ Products, LLC; if the product is damaged because not properly maintained as set forth in the instruction manual.
- D. This is not a service contract, and this warranty does not include maintenance, cleaning or periodic check up. During the period specified above, ADJ Products, LLC will replace defective parts at its expense with new or refurbished parts, and will absorb all expenses for warrant service and repair labor by reason of defects in material or workmanship. The sole responsibility of ADJ Products, LLC under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of ADJ Products, LLC. All products covered by this warranty were manufactured after August 15, 2012, and bear identifying marks to that effect.
- E. ADJ Products, LLC reserves the right to make changes in design and/or 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 products described above. Except to the extent prohibited by applicable law, all implied warranties made by ADJ Products, LLC in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has 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 ADJ Products, LLC be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.
- G. This warranty is the only written warranty applicable to ADJ Products, LLC Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

## LIMITED WARRANTY PERIODS

- **Non L.E.D. Lighting Products = 1-year (365 days) Limited Warranty** (Such as: Special Effect Lighting, Intelligent Lighting, UV lighting, Strobes, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands etc. excluding LED and lamps)
- **Laser Products = 1 Year (365 Days) Limited Warranty** (excludes laser diodes which have 6 month limited warranty)
- **L.E.D. Products = 2-year (730 days) Limited Warranty** (excluding batteries which have a 180 day limited warranty)  
Note: 2 Year Warranty only applies to purchases within the United States.
- **StarTec Series = 1 Year Limited Warranty** (excluding batteries which have a 180 day limited warranty)
- **ADJ DMX Controllers = 2 Year (730 Days) Limited Warranty**

# WARRANTY REGISTRATION

The Pixie Driver 8000 V2 carries a 2 year limited warranty. Please fill out the enclosed warranty card to validate your purchase. All returned service items, whether under warranty or not, must be freight pre-paid and accompanied by 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 included in the shipping carton. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. You may obtain an R.A. number by contacting our customer support team. All packages returned to the service department not displaying an R.A. number on the outside of the package will be returned to the shipper.

## FEATURES

- Power / data supply for ADJ Pixie Strip 30, Pixie Strip 60, and Pixie Strip 120
- Manual RGB mode
- Internal programs
- Manual Dimming and Strobe Control
- Full Pixel Mapping Control
- Drives up to 8,160 Pixels via KlingNet, ArtNet, and sACN (1,020 Pixels per port)
- OLED screen with 4-button menu
- USB port for Firmware Updates

# SAFETY GUIDELINES

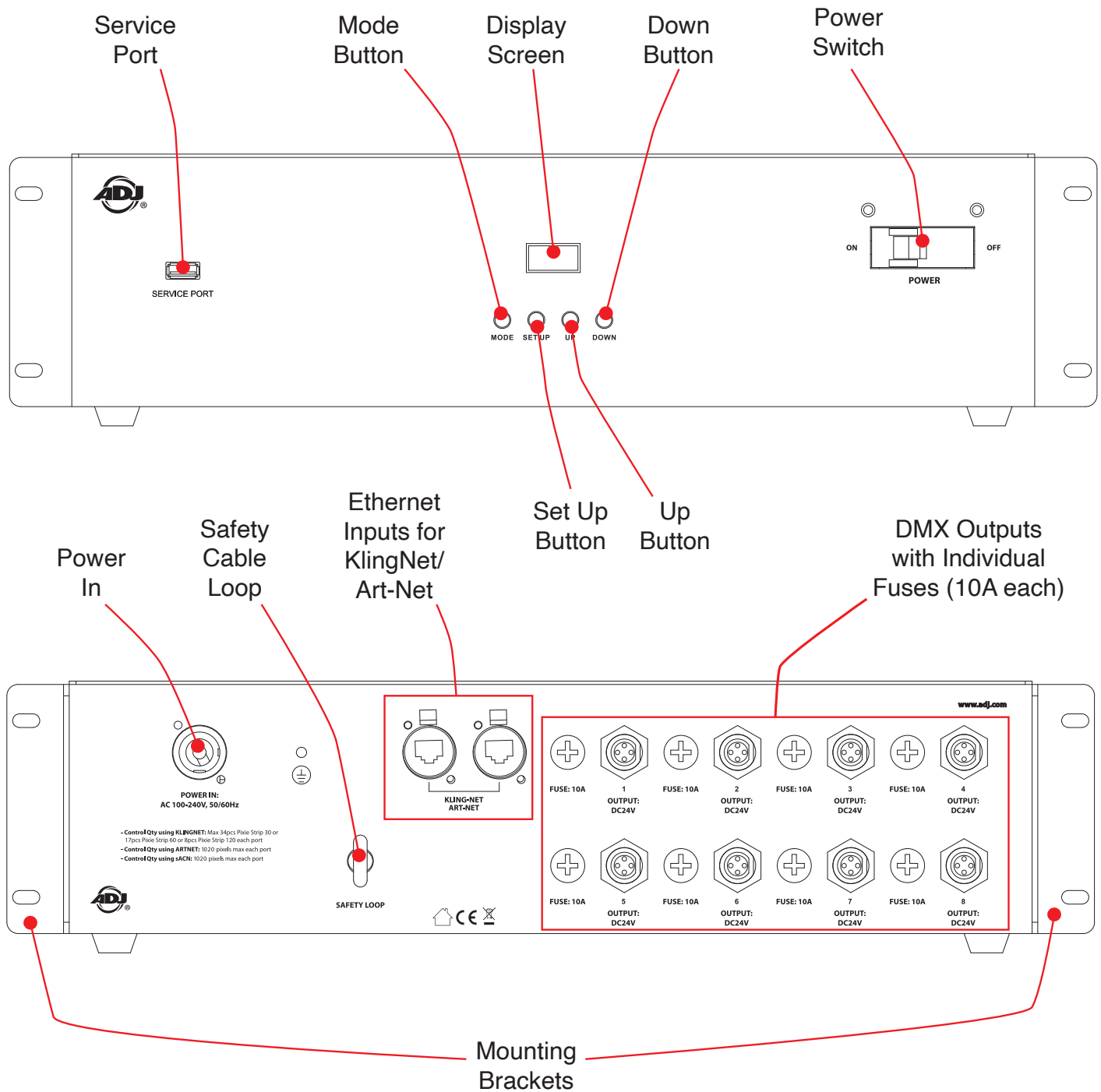
**For your own personal safety, please read and understand this manual completely before attempting to install or operate this device!**

- Be sure to save the packing carton in the unlikely event that the device needs to be returned for service.
- Do not spill water or other liquids into or on to the device.
- Be sure that the voltage of the power source matches the required voltage for the device.
- Do not open up the device for any reason. There are no user serviceable parts inside.
- Disconnect the device's main power when left unused for long periods of time.
- Never connect this device to a dimmer pack.
- Do not attempt to operate this device if it has been damaged in any way.
- Never operate this device with the cover removed.
- To reduce the risk of electrical shock or fire, do not expose this device to rain or moisture.
- Do not attempt to operate this device if the power cord has been frayed or broken.
- Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in the event of an internal short.
- Disconnect from main power before making any type of connection.
- Never block the ventilation holes. Always be sure to mount this device in an area that will allow proper ventilation. Allow about 6" (15cm) between this device and a wall.
- This unit is intended for indoor use only. Use of this product outdoors voids all warranties.
- Always mount this unit in a safe and stable matter.
- Please route your power cord out of the way of foot traffic. Power cords should be routed so they are not likely to be walked on, or pinched by items placed upon or against them.
- The device should be serviced by qualified service personnel when:
  - A. The power-supply cord or the plug has been damaged.
  - B. Objects have fallen on, or liquid has been spilled into, the device.
  - C. The device has been exposed to rain or water.
  - D. The appliance does not appear to operate normally or exhibits a marked change in performance.

**Ambient operating temperature ranges is from -4°F to 113°F (-20°C to 45°C). Do not operate this device when ambient temperature falls outside of this range!**

**KEEP FLAMMABLE MATERIALS AWAY FROM THIS FIXTURE!**

# OVERVIEW





# INSTALLATION

## FLAMMABLE MATERIAL WARNING!

Keep drive a minimum of 5.0 feet (1.5m) away from flammable material and/or pyrotechnics.

## ELECTRICAL CONNECTIONS

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

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

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

Before installing or mounting any device, a professional equipment installer **MUST** be consulted to determine whether the mounting structure or surface is properly certified to safely support the combined weight of the device and any relevant accessories.

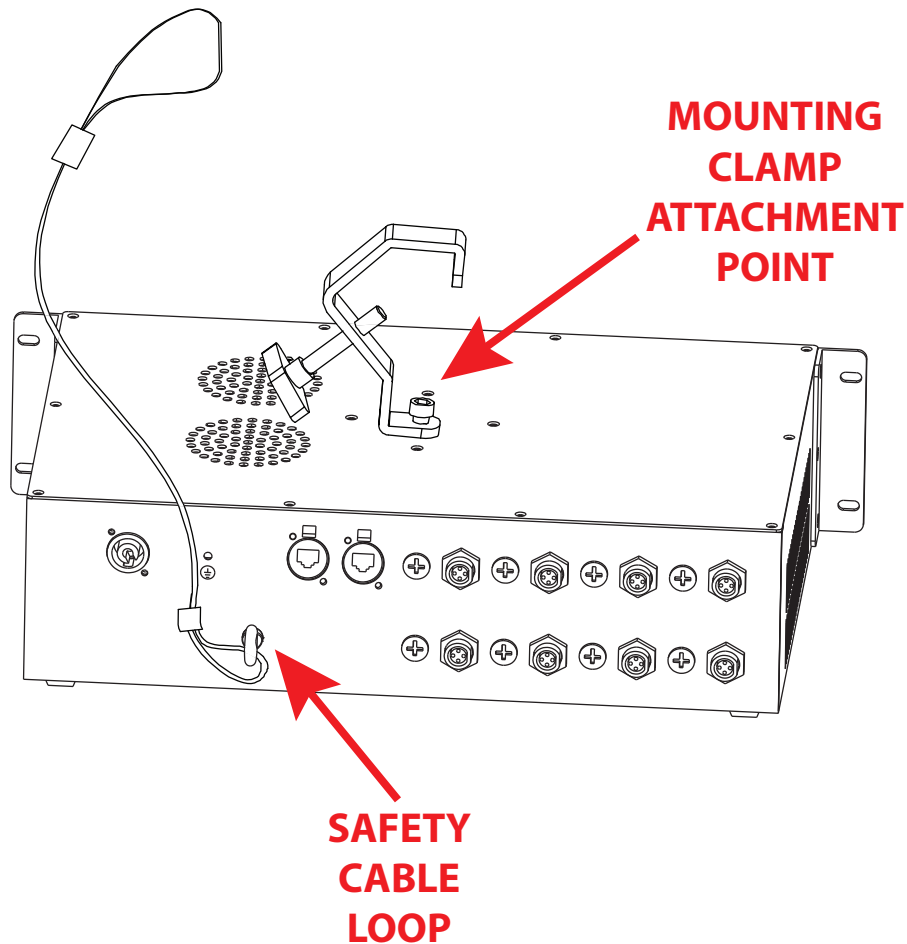
Ambient operating temperature range is from **-4°F to 113°F (-20°C to 45°C)**. Do not operate this device when ambient temperature falls outside this range.

The device should be installed away from walking paths, seating areas, or areas where unauthorized personnel might be able to reach the device by hand.

# INSTALLATION

## CLAMP MOUNTING

This fixture features a mounting point in the middle of the top side for the installation of a mounting clamp. Additionally, the unit also features a safety cable loop on side face, near the Klingnet/Artnet Port (see the illustration below). When mounting the fixture to a truss or any other suspended or overhead installation, be sure to secure an appropriately rated mounting clamp (not included) to the device. Attach a separate **SAFETY CABLE** of the appropriate weight rating to the provided safety cable loop.



### SAFETY CABLE:

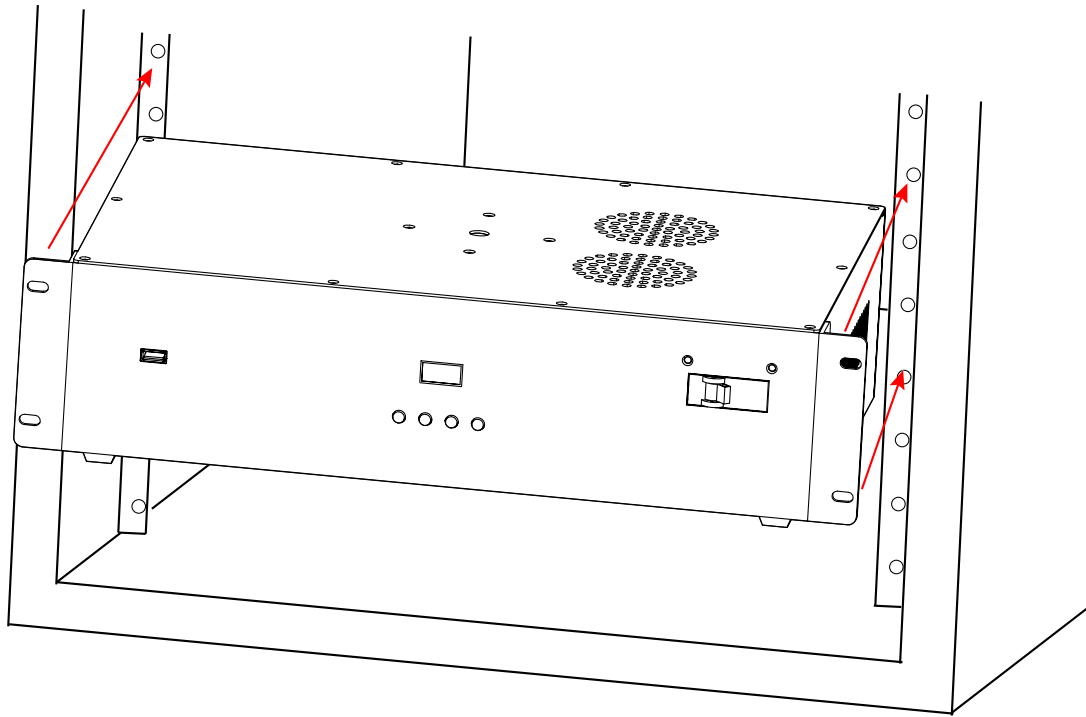


**ALWAYS ATTACH A SAFETY CABLE WHENEVER INSTALLING THIS FIXTURE IN A SUSPENDED ENVIRONMENT TO ENSURE THAT THE FIXTURE WILL NOT FALL IF THE CLAMP FAILS.**

# INSTALLATION

## RACK MOUNTING

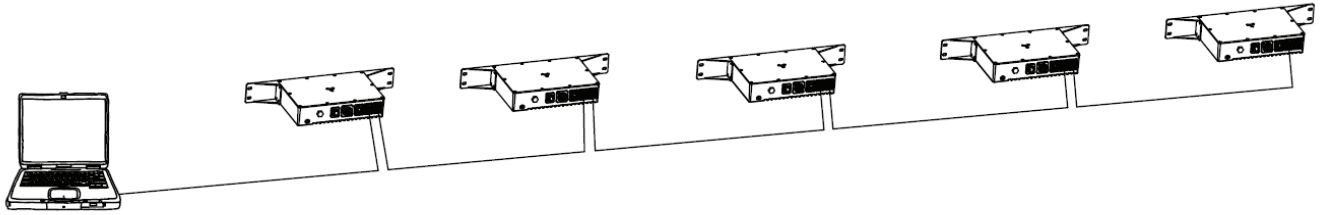
This device can be mounted in a standard 19-inch rack using the mounting brackets located on each side of the device. Make sure to use mounting hardware that fits the mounting holes on the device as well as the rack itself. Use all four (4) points on the mounting brackets to ensure that the device is mounted securely. Please see the illustration below for reference.



# INSTALLATION

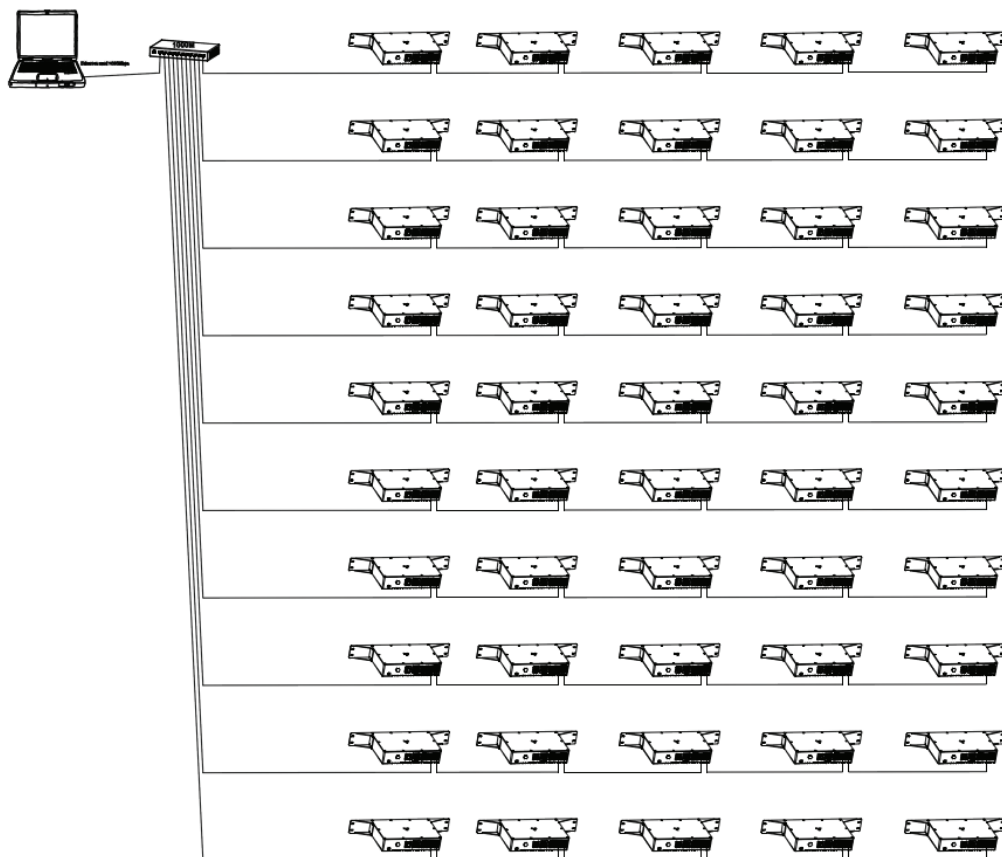
## MULTIPLE DRIVERS

Up to five (5) Pixie Driver 8000 V2 devices may be daisy-chained directly together and linked to a single controller. See the image below for reference. Please note that the controller must be set to KlingNet, Art-net, or sACN control mode. **Do NOT daisy-chain more than five (5) devices directly together.**



If more than five (5) devices are required, a one-gigabit ethernet switch may be used to expand the size of the network. However, even in this case, no more than ten (10) branches from the ethernet switch are allowable, with each branch containing up to five (5) daisy-chained devices. This permits a maximum of fifty (50) devices to be linked to a single controller, as shown in the image below.

**Do NOT exceed this number of devices!**



## ALLOWABLE CABLE LENGTHS

16-AWG 4-pin extension cable may be used to link multiple devices. However, please take note of maximum allowable cable lengths, as listed below.

- Max length of cable connecting a controller and a device: 59 feet (18m)
- Max length of cable connecting two devices: 32 feet (10m)
- Max total cable length in a single chain: 98 feet (30m) including the lengths of the lighting strip(s)

# DRIVER OUTPUT LIMITATIONS

There is a limitation to how many pixels can be controlled by each driver output port, which in turn determines the maximum number of lighting fixtures that can be controlled by a single output or driver.

The values listed in the following tables for number of fixtures per driver port/driver unit are representative of the maximum number of fixtures that can be connected if the fixtures used are all of the same model type, with individual pixel control.

For example, if you connect only Pixie Strip 30s to the driver, and operate the driver in Kling-Net mode, you can connect up to 34 units of that model type to each driver port. This is defined by the fact that each driver port can handle a maximum of 1020 pixels, and each Pixie Strip 30 fixture is made up of 30 pixels. Therefore, you have 1020 pixels per driver port, divided by 30 pixels per fixture, which equals 34 fixtures per driver port.

It is possible to mix and match Pixie Strip model types that are attached to a single driver port. In this case, the important thing to keep in mind is the maximum number of pixels per driver port.

As long as this value is not exceeded, any combination of Pixie Strip 30s, 60s, and 120s may be used.

| MODEL           | TOTAL<br>PIXELS | TOTAL<br>CONTROL<br>CHAN. | KLING-NET / ART-NET / sACN<br>MAX PIXELS PER PORT = 1020<br>MAX PIXELS PER DRIVER = 8160 |  |                                       |  |
|-----------------|-----------------|---------------------------|--|--|---------------------------------------|--|
|                 |                 |                           | MAX<br>FIXTURES per<br>DRIVER PORT   | MAX<br>PIXELS<br>per<br>DRIVER<br>PORT | MAX<br>FIXTURES<br>per<br>DRIVER UNIT | MAX<br>PIXELS<br>per<br>DRIVER<br>UNIT |
| Pixie Strip 30  | 30              | 90                        | 34   | 1020                                   | 272                                   | 8160                                   |
| Pixie Strip 60  | 60              | 180                       | 17   | 1020                                   | 136                                   | 8160                                   |
| Pixie Strip 120 | 120             | 360                       | 8  | 960                                    | 64                                    | 7680                                   |

# DRIVER OUTPUT LIMITATIONS

Your Pixie Driver 8000 V2 is programmed not to allow Pixie Strip fixtures to be added in such a way that the maximum number of pixels per port would be exceeded. This is done by limiting the number of Pixie Strip units that can be selected in the System Menu based on what has already been set up on the unit.

If we look at the example from the previous section, where 34 Pixie Strip 30s have been set up on a single port in Kling-Net mode, the System Menu will not allow any further fixtures to be set up on that port, regardless of model. This is because 34 fixtures, times 30 pixels per fixture, occupies 1020 pixels. If we then tried to set up a Pixie Strip 60, the System Menu would not allow any values other than “0” to be selected, because the port has no remaining free pixel capacity.

If you are having trouble adding the desired number of fixtures to a driver port, double check the number of fixtures of other Pixie Strip models that have been set up to see if they are using up all of the available pixel space on that port.

| PIXELS IN USE       |                          | PIXELS FREE   |
|---------------------|--------------------------|---|
| 34 x Pixie Strip 30 | 1020 pixels              | 1020 pixel capacity<br>- 1020 pixels in use<br><hr/> <b>0 pixels free</b> |
| 0 x Pixie Strip 60  | 0 pixels                 |   |
| 0 x Pixie Strip 120 | 0 pixels                 |   |
|                     | 1020 total pixels in use |   |

In this case, we would first need to “make room” on this driver port by reducing the number of Pixie Strip 30s that are set up. If we reduce the number of Pixie Strip 30s by two units, we then have a total free pixel capacity of 60 pixels on this port.

| PIXELS IN USE       |                         | PIXELS FREE   |
|---------------------|-------------------------|---|
| 32 x Pixie Strip 30 | 960 pixels              | 1020 pixel capacity<br>- 960 pixels in use<br><hr/> <b>60 pixels free</b> |
| 0 x Pixie Strip 60  | 0 pixels                |   |
| 0 x Pixie Strip 120 | 0 pixels                |   |
|                     | 960 total pixels in use |   |

Now that we have freed up pixels on this driver port, we are able to add the Pixie Strip 60, as desired. The System Menu now allows you to increase the number of Pixie Strip 60s on this driver port to 1, *but it will not allow you to increase the number any higher* because there are not enough pixels free to add more than 1 Pixie Strip 60. Notice, too, that the only selectable value for Pixie Strip 120s is “0” due to the fact that 60 free pixels is not enough to run a single Pixie Strip 120.

| PIXELS IN USE       |                          | PIXELS FREE   |
|---------------------|--------------------------|---|
| 32 x Pixie Strip 30 | 960 pixels               | 1020 pixel capacity<br>- 1020 pixels in use<br><hr/> <b>0 pixels free</b> |
| 1 x Pixie Strip 60  | 60 pixels                |   |
| 0 x Pixie Strip 120 | 0 pixels                 |   |
|                     | 1020 total pixels in use |   |

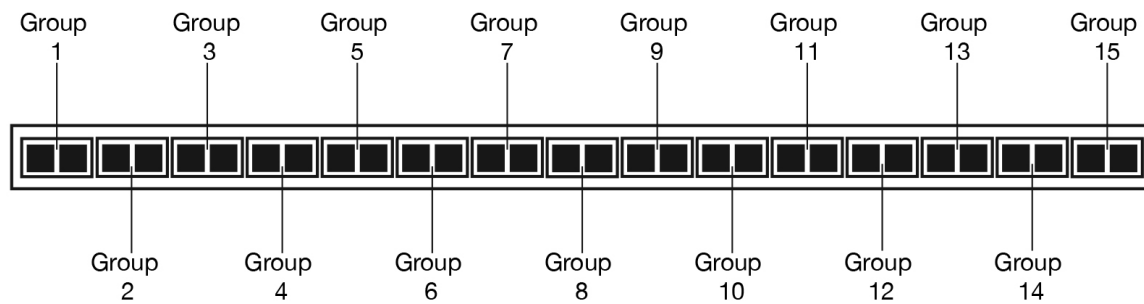
If you are having trouble adding the desired number of fixtures to a driver port, double check the number of fixtures of other Pixie Strip models that have been set up to see if they are using up all of the available pixel space on that port.

# RGB PIXEL CONTROL MODES

This feature gives the user the ability to adjust the RGB pixel control mode of the device. Individual pixels may be controlled independently for finer control over the resolution of the device's lighting display. Alternately, multiple individual pixels may be grouped together under a common set of control channels in order to reduce the number of required control channels. This also reduces the effective pixel count for each fixture, thereby allowing an increased number of fixtures to be operated off of the same driver port (see the **Driver Output Limitations** section). The downside to this is the reduced resolution of the lighting display.

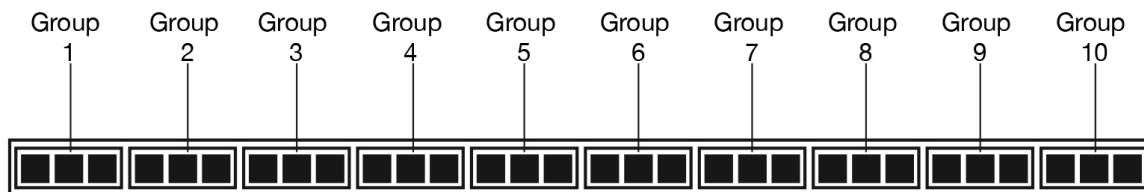
In each pixel control mode, the first number denotes the number of control groups that LEDs will be divided into, while the second number denotes the number of individual LEDs that will make up each control group. Each control group will always occupy 3 DMX channels (for Red, Green, and Blue control). This means that within each control group, all LEDs will be controlled by the same set of 3 DMX channels.

For example, when operating a Pixel Bar 30IP, selecting **15x2** mode means that the fixture's LEDs will be divided into 15 RGB control groups, with each group containing 2 LEDs. See the illustration below:



In this mode, a total of 45 DMX channels are used: 3 DMX channels (for Red, Green, Blue) per group multiplied by 15 groups.

If there are not enough unused DMX channels available to accommodate this set-up, one possible solution is to select a pixel control mode that will decrease the number of control groups. For instance, selecting **10x3** mode will result in the LED display being divided into 10 RGB control groups each containing 3 LEDs. Therefore, the number of DMX channels required drops to 30: 10 control groups multiplied by 3 DMX channels (for Red, Green, and Blue) per group. See the illustration below:



Available pixel control modes for each Pixie Strip model are shown on the next page.

# RGB PIXEL CONTROL MODES

Available pixel control modes:

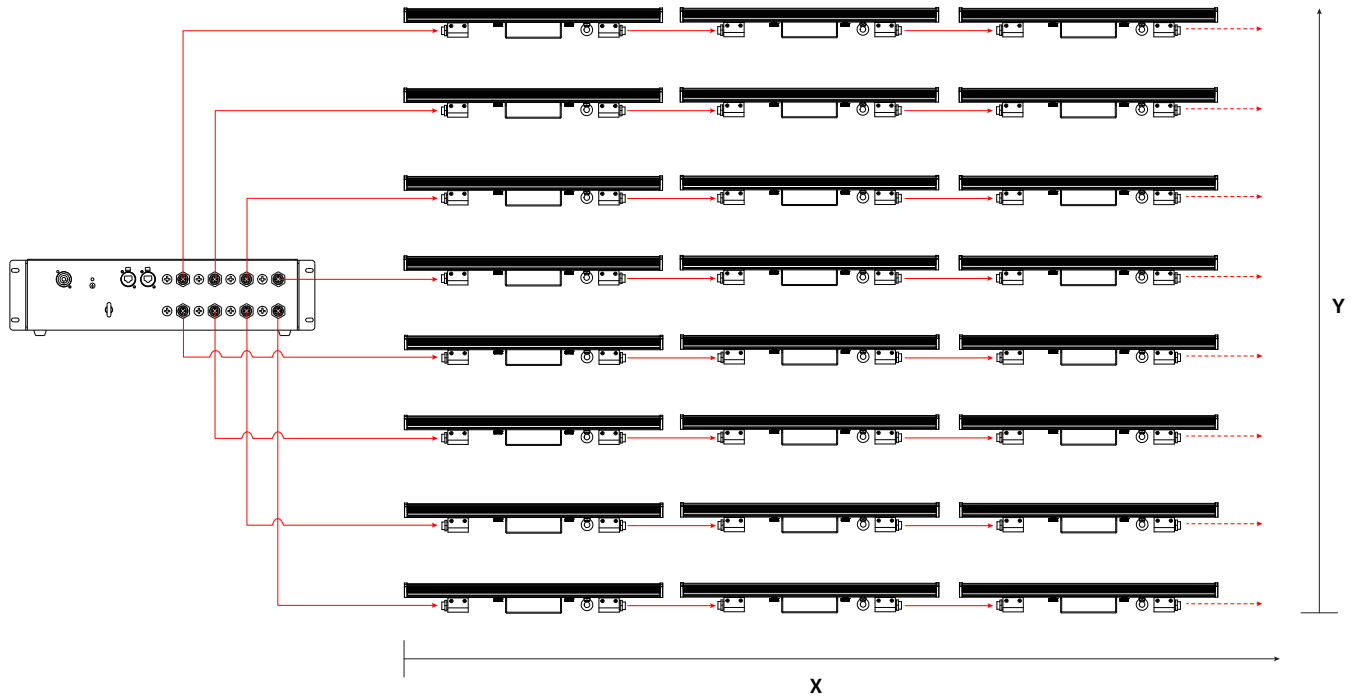
| Pixie Strip 30 | Pixie Strip 60 | Pixie Strip 120 |
|----------------|----------------|-----------------|
| 30x1           | 60x1           | 120x1           |
| 15x2           | 30x2           | 60x2            |
| 10x3           | 20x3           | 40x3            |
| 6x5            | 15x4           | 30x4            |
| 5x6            | 12x5           | 24x5            |
| 3x10           | 10x6           | 20x6            |
| 2x15           | 6x10           | 15x8            |
|                | 5x12           | 12x10           |
|                | 4x15           | 10x12           |
|                | 3x20           | 8x15            |
|                | 2x30           | 6x20            |
|                |                | 5x24            |
|                |                | 4x30            |
|                |                | 3x40            |
|                |                | 2x60            |



# MAX PATCH

In Artnet or sACN mode, this driver features a Max Patch function, which allows the user to configure a group of fixtures into an assembly that resembles a large video panel. Follow the steps below:

1. Link your fixtures to the driver. A string of connected fixtures may be connected to each port, as long as the number of pixels per port conform to the limits listed in the KlingNet/Artnet/sACN table in the **Driver Output Limitations** section of this manual.

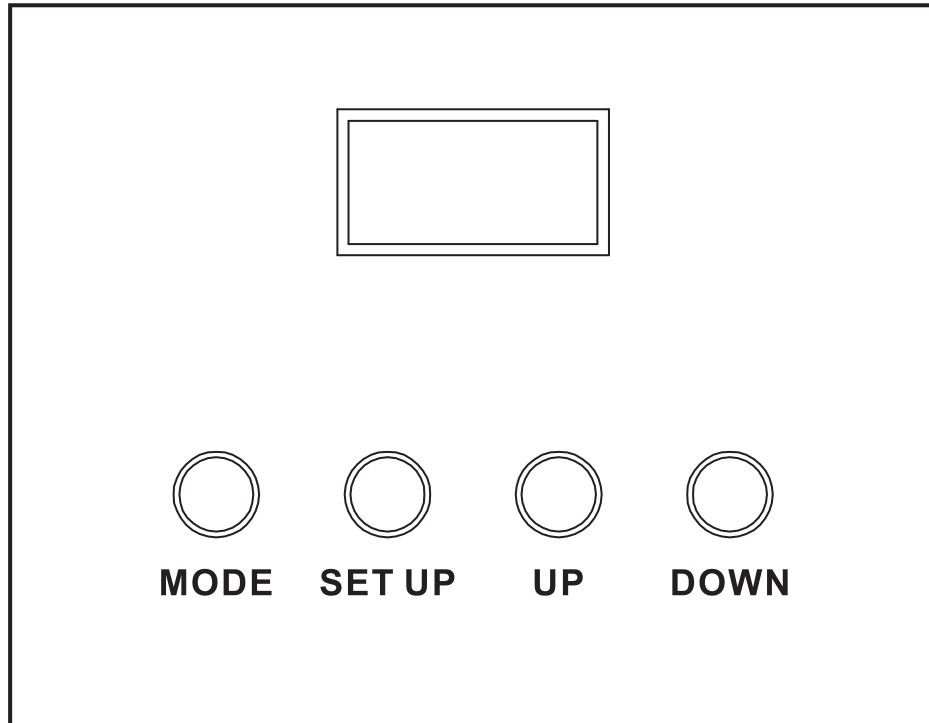


2. In the system menu, navigate to either **Artnet > Port x Set > Max Patch En/Dis** or **sACN > Port x Set > Max Patch En/Dis**, depending on which mode is in use. Press the SET UP button, then use the UP and DOWN buttons to toggle this setting to “Enable”.
3. Navigate to either **Artnet > Port x Set > Max Patch** or **sACN > Port x Set > Max Patch**, depending on which mode is in use. Press the SET UP button.
4. Use the UP and DOWN buttons to set values for X and Y. X and Y represent the number of pixels in the patch as defined in the illustration above. Please note, the values for X and Y are in terms of individual lighting pixels, and NOT whole lighting fixtures. For example, if the fixtures in the illustration above are Pixie Strip 30s (which have 30 pixels per fixture), then X = 90 pixels (3 units x 30 pixels per unit), and Y = 4 pixels.

# CONTROL PANEL

The device includes an easy to navigate system menu control panel display where all necessary settings and adjustments are made (see image below).

- The **MODE** button is used to cycle through main menu options, or to return to the previous menu.
- The **SETUP** button is used to select an option in either the main menu or the sub-menu of any main menu item, and to cycle through the sub-menu options.
- The **UP** and **DOWN** buttons are used to adjust the values of the sub-menu options.



## DMX ADDRESS FOR PIXIE STRIPS SETUP

When setting up this driver to control Pixie Strips in either ArtNet Mode or sACN Control Mode, the user has the ability to manually select the DMX address by navigating to the “Pixie Strip Setup” sub-menu, then selecting the “DMX Address” option. However, selecting this value manually is NOT necessary, as this driver is intelligent enough to assign the DMX addresses automatically according to the number of control channels required by each device being controlled.

# SYSTEM MENU

|                   |                |                         |   |   |
|-------------------|----------------|-------------------------|---|---|
| MANUAL<br>CONTROL | Red            | 000 - <b>255</b>        |   | Adjust red color intensity                                    |
|                   | Green          | 000 - <b>255</b>        |   | Adjust green color intensity                                  |
|                   | Blue           | 000 - <b>255</b>        |   | Adjust blue color intensity                                   |
|                   | Port1 EN / DIS | <b>Enable</b> / Disable |   | Enable or disable output 1                                    |
|                   | Port2 EN / DIS | <b>Enable</b> / Disable |   | Enable or disable output 2                                    |
|                   | Port3 EN / DIS | <b>Enable</b> / Disable |   | Enable or disable output 3                                    |
|                   | Port4 EN / DIS | <b>Enable</b> / Disable |   | Enable or disable output 4                                    |
|                   | Port5 EN / DIS | <b>Enable</b> / Disable |   | Enable or disable output 5                                    |
|                   | Port6 EN / DIS | <b>Enable</b> / Disable |   | Enable or disable output 6                                    |
|                   | Port7 EN / DIS | <b>Enable</b> / Disable |   | Enable or disable output 7                                    |
|                   | Port8 EN / DIS | <b>Enable</b> / Disable |   | Enable or disable output 8                                    |
| KLINGNET          | Port1 Out Set  | Pixie Strip Setup       | 30 Number xx<br>(Default = <b>00</b> )  | Set number of Pixie Strip 30s<br>that this port will control  |
|                   |                |                         | 60 Number xx<br>(Default = <b>10</b> )  | Set number of Pixie Strip 60s<br>that this port will control  |
|                   |                |                         | 120 Number xx<br>(Default = <b>00</b> ) | Set number of Pixie Strip 120s<br>that this port will control |
|                   |                | Pixie Groups Set        | 30 xx X xx RGB<br>Pixels                | Set the RGB grouping of Pixie<br>Strip 30s                    |
|                   |                |                         | 60 xx X xx RGB<br>Pixels                | Set the RGB grouping of Pixie<br>Strip 60s                    |
|                   |                |                         | 120 xxx X xxx RGB<br>pixels             | Set the RGB grouping of Pixie<br>Strip 120s                   |
|                   | ...            | ...                     | ...                                     | ...   |
|                   | Port8 Out Set  | Pixie Strip Setup       | 30 Number xx<br>(Default = <b>00</b> )  | Set number of Pixie Strip 30s<br>that this port will control  |
|                   |                |                         | 60 Number xx<br>(Default = <b>10</b> )  | Set number of Pixie Strip 60s<br>that this port will control  |
|                   |                |                         | 120 Number xx<br>(Default = <b>00</b> ) | Set number of Pixie Strip 120s<br>that this port will control |
|                   |                | Pixie Groups Set        | 30 xx X xx RGB<br>Pixels                | Set the RGB grouping of Pixie<br>Strip 30s                    |
|                   |                |                         | 60 xx X xx RGB<br>Pixels                | Set the RGB grouping of Pixie<br>Strip 60s                    |
|                   |                |                         | 120 xxx X xxx RGB<br>pixels             | Set the RGB grouping of Pixie<br>Strip 120s                   |
|                   |                |                         |   |   |

# SYSTEM MENU

|        |               |                    |   |   |
|--------|---------------|--------------------|---|---|
| ARTNET | Port1 Out Set | Pixie Strip Setup  | 30 Number xx<br>(Default = <b>00</b> )  | Set number of Pixie Strip 30s<br>that this port will control  |
|        |               |                    | 60 Number xx<br>(Default = <b>10</b> )  | Set number of Pixie Strip 60s<br>that this port will control  |
|        |               |                    | 120 Number xx<br>(Default = <b>00</b> ) | Set number of Pixie Strip 120s<br>that this port will control |
|        |               | Pixie Groups Set   | 30 xx X xx RGB<br>Pixels                | Set the RGB grouping of Pixie<br>Strip 30s                    |
|        |               |                    | 60 xx X xx RGB<br>Pixels                | Set the RGB grouping of Pixie<br>Strip 60s                    |
|        |               |                    | 120 xxx X xxx RGB<br>pixels             | Set the RGB grouping of Pixie<br>Strip 120s                   |
|        |               |                    | DMX address: xxx                        | Set DMX starting address                                      |
|        |               | Universe Set Up    | 001 - 246                               | Set the DMX universe  |
|        |               | Max Patch          | X: xxxx, Y: xxxx                        | Set patch length and width                                    |
|        |               | Max Patch En / Dis | Enable / Disable                        | Enable or disable max patch<br>function                       |
|        | ...           | ...                | ...                                     | ...   |
|        | Port8 Out Set | Pixie Strip Setup  | 30 Number xx<br>(Default = <b>00</b> )  | Set number of Pixie Strip 30s<br>that this port will control  |
|        |               |                    | 60 Number xx<br>(Default = <b>10</b> )  | Set number of Pixie Strip 60s<br>that this port will control  |
|        |               |                    | 120 Number xx<br>(Default = <b>00</b> ) | Set number of Pixie Strip 120s<br>that this port will control |
|        |               | Pixie Groups Set   | 30 xx X xx RGB<br>Pixels                | Set the RGB grouping of Pixie<br>Strip 30s                    |
|        |               |                    | 60 xx X xx RGB<br>Pixels                | Set the RGB grouping of Pixie<br>Strip 60s                    |
|        |               |                    | 120 xxx X xxx RGB<br>pixels             | Set the RGB grouping of Pixie<br>Strip 120s                   |
|        |               | Universe Set Up    | 001 - 246                               | Set the DMX universe  |
|        |               | Max Patch          | X: xxxx, Y: xxxx                        | Set patch length and width                                    |
|        |               | Max Patch En / Dis | Enable / Disable                        | Enable or disable max patch<br>function                       |

# SYSTEM MENU

|      |               |                    |   |  |
|------|---------------|--------------------|---|--|
| sACN | Port1 Out Set | Pixie Strip Setup  | 30 Number xx<br>(Default = <b>00</b> )  | Set number of Pixie Strip 30s that this port will control  |
|      |               |                    | 60 Number xx<br>(Default = <b>10</b> )  | Set number of Pixie Strip 60s that this port will control  |
|      |               |                    | 120 Number xx<br>(Default = <b>00</b> ) | Set number of Pixie Strip 120s that this port will control |
|      |               | Pixie Groups Set   | 30 xx X xx RGB Pixels                   | Set the RGB grouping of Pixie Strip 30s                    |
|      |               |                    | 60 xx X xx RGB Pixels                   | Set the RGB grouping of Pixie Strip 60s                    |
|      |               |                    | 120 xxx X xxx RGB pixels                | Set the RGB grouping of Pixie Strip 120s                   |
|      |               |                    | DMX address: xxx                        | Set DMX starting address                                   |
|      |               | Universe Set Up    | 001 - 247                               | Set the DMX universe                                       |
|      |               | Max Patch          | X: xxxx, Y: xxxx                        | Set patch length and width                                 |
|      |               | Max Patch En / Dis | Enable / Disable                        | Enable or disable max patch function                       |
|      | ...           | ...                | ...                                     | ...  |
|      | Port8 Out Set | Pixie Strip Setup  | 30 Number xx<br>(Default = <b>00</b> )  | Set number of Pixie Strip 30s that this port will control  |
|      |               |                    | 60 Number xx<br>(Default = <b>10</b> )  | Set number of Pixie Strip 60s that this port will control  |
|      |               |                    | 120 Number xx<br>(Default = <b>00</b> ) | Set number of Pixie Strip 120s that this port will control |
|      |               | Pixie Groups Set   | 30 xx X xx RGB Pixels                   | Set the RGB grouping of Pixie Strip 30s                    |
|      |               |                    | 60 xx X xx RGB Pixels                   | Set the RGB grouping of Pixie Strip 60s                    |
|      |               |                    | 120 xxx X xxx RGB pixels                | Set the RGB grouping of Pixie Strip 120s                   |
|      |               | Universe Set Up    | 001 - 247                               | Set the DMX universe                                       |
|      |               | Max Patch          | X: xxxx, Y: xxxx                        | Set patch length and width                                 |
|      |               | Max Patch En / Dis | Enable / Disable                        | Enable or disable max patch function                       |

# SYSTEM MENU

|  |                 |  |                  |  |
|--|-----------------|--|------------------|--|
| PROGRAMS                                       | Program Play    | Program 001 - 016                        |                  | Select built in program to run                             |
|  |                 | Speed 001 - 016                          |                  | Select program speed                                       |
|  |                 | Fade 001 - 016                           |                  | Select program fade  |
|  |                 | Phase Time 001 - 016                     |                  | Select program phase time                                  |
|  | Port 1 Out Set  | 30 Number <b>00</b> - 34                 |                  | Set number of Pixie Strip 30s that this port will control  |
|  |                 | 60 Number 00 - 17<br>Default = <b>10</b> |                  | Set number of Pixie Strip 60s that this port will control  |
|  |                 | 120 Number <b>00</b> - 08                |                  | Set number of Pixie Strip 120s that this port will control |
|  | ...             | ...                                      |                  | ...  |
|  | Port 8 Out Set  | 30 Number <b>00</b> - 34                 |                  | Set number of Pixie Strip 30s that this port will control  |
|  |                 | 60 Number 00 - 17<br>Default = <b>10</b> |                  | Set number of Pixie Strip 60s that this port will control  |
|  |                 | 120 Number <b>00</b> - 08                |                  | Set number of Pixie Strip 120s that this port will control |
| IP ADDRESS<br>(Default Subnet Mask: 255.0.0.0) | Port 1 Out Set  | IP Address Setup                         | xxxx:xxx:xxx:xxx | Set IP address of each port                                |
|  | Port 2 Out Set  | IP Address Setup                         | xxxx:xxx:xxx:xxx |  |
|  | Port 3 Out Set  | IP Address Setup                         | xxxx:xxx:xxx:xxx |  |
|  | Port 4 Out Set  | IP Address Setup                         | xxxx:xxx:xxx:xxx |  |
|  | Port 5 Out Set  | IP Address Setup                         | xxxx:xxx:xxx:xxx |  |
|  | Port 6 Out Set  | IP Address Setup                         | xxxx:xxx:xxx:xxx |  |
|  | Port 7 Out Set  | IP Address Setup                         | xxxx:xxx:xxx:xxx |  |
|  | Port 8 Out Set  | IP Address Setup                         | xxxx:xxx:xxx:xxx |  |
| SETUP OPTIONS                                  | Rotate Display  | <b>No</b> / Yes                          |                  | Rotate the display orientation                             |
|  | Factory Restore | <b>No</b> / Yes                          |                  | Reset unit to default factory settings                     |
| SOFTWARE VERSION                               | Port1 Vx.xx     |  |                  | Display software version for each output port              |
|  | ...             |  |                  |  |
|  | Port8 Vx.xx     |  |                  |  |
| SERVICE  | Software Update | Passcode = 011                           |                  | Update unit software                                       |
|  |                 | Update Software<br>Yes / <b>No</b>       |                  |  |

**NOTE:** Although the Pixie Curve 60 fixture does not appear in the System Menu, it is still compatible with this driver, and it can be controlled by selecting the setting(s) for the Pixie Strip 60.

# MAINTENANCE GUIDELINES



**DISCONNECT POWER BEFORE PERFORMING ANY MAINTENANCE!**

## MAINTENANCE

Regular inspections are recommended to ensure proper function and extended life. There are no user serviceable parts inside this device. Please refer all other service issues to an authorized ADJ service technician. Should you need any spare parts, please order genuine parts from your local ADJ dealer.

Please refer to the following points during routine inspections:

- A. A detailed electrical check by an approved electrical engineer every three months, to make sure the circuit contacts are in good condition and prevent overheating.
- B. 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.
- C. 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 fixture. Damaged rigging points or unsecured rigging could cause the fixture to fall and seriously injure a person(s).
- D. Electric power supply cables must not show any damage, material fatigue, or sediments.

**NEVER** remove the ground prong from the power cable.

## SOFTWARE UPDATES

For software updates, please contact ADJ service to obtain a software uploader and detailed instructions. Refer to the ***Introduction*** section of this manual for contact information.

# SPECIFICATIONS

## Control Features:

- Power / data supply for ADJ Pixie Strip 30, Pixie Strip 60, Pixie Strip 120, and Pixie Curve 60
- Manual RGB mode
- Internal programs
- Manual Dimming and Strobe Control
- Full Pixel Mapping Control
- Drives up to 8,160 Pixels via KlingNet, ArtNet, and sACN (1,020 Pixels per port)
- OLED screen with 4-button menu
- USB port for Firmware Updates

## Control Quantity:

- KlingNet / Art-Net / sACN: 34x Pixie Strip 30s; 17x Pixie Strip 60s; 8x Pixie Strip 120s; 17x Pixie Curve 60s (Per port. Or any combination not exceeding 1,020 pixel per port)
- ***Default Subnet Mask: 255.0.0.0***

## Connections:

- Power: PowerLock Input
- Two locking RJ45 ports
- Eight 4-pin DC24V power/data outputs to Pixie Strips

## Mounting Options:

- Bolt to add a clamp to hang from truss (clamp and truss not included)
- Includes 19-inch rack mount ears
- Safety eye

## Electrical:

- Multi-voltage operation: AC 100-240V, 50/60Hz
- Power Consumption: 1,600W max
- -4°F to 113°F (-20°C to 45°C)

## Dimensions / Weight:

- Dimensions (LxWxH): 11.8" x 18.9" x 4.7" / 300.3mm x 480mm x 120mm
- Weight: 13.4 lbs. / 6.1 kg.

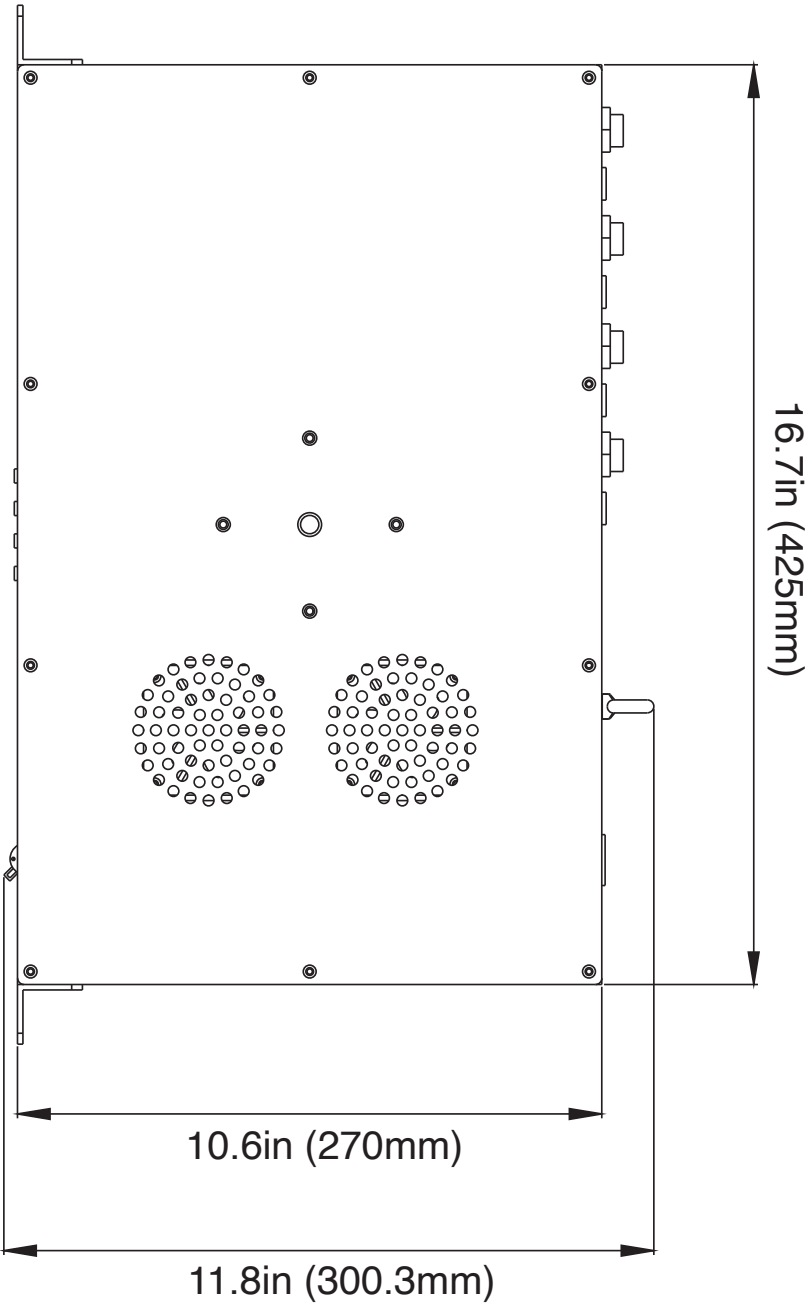
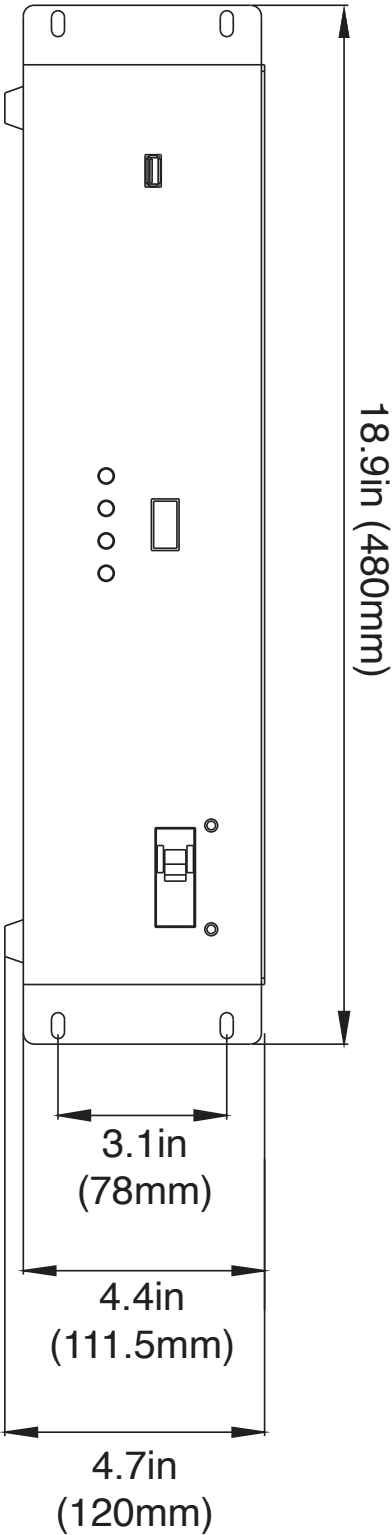
## Approvals:

- CE I cETLus (Pending)



# DIMENSIONS

Drawing not to scale



## ACCESSORIES

| Order Code | Description                    |
|------------|--------------------------------|
| PIX158     | 1-foot Pixie Strip Link Cable  |
| PIX174     | 3-foot Pixie Strip Link Cable  |
| PIX188     | 5-foot Pixie Strip Link Cable  |
| PIX200     | 10-foot Pixie Strip Link Cable |
| PIX213     | 15-foot Pixie Strip Link Cable |
| PIX229     | 25-foot Pixie Strip Link Cable |
| PIX242     | 50-foot Pixie Strip Link Cable |

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