

POWER BONE T1T1

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.adj.com for the latest revision/update of this manual before beginning installation and/or programming.

Date	Document Version	Software Version	DMX Channels	Notes
02/20/2023	1	N/A	Not Applicable	Initial Version
06/07/2023	1.1	N/C	Not Applicable	Updated Specifications, Dimensional Drawings

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!

TABLE OF CONTENTS

General Information	4
Key Features Warranty Returns	5
Limited Warranty (USA Only)	6
Safety Guidelines	7
Overview	9
Installation	10
Cleaning & Maintenance	13
Dimensional Drawings	14
Specifications	15

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 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.

INCLUDED ITEMS

Omega Bracket (x1)
Power Cable (x1)

CUSTOMER SUPPORT

Contact ADJ Service for any product related service and support needs.
Also visit 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

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

REPLACEMENT PARTS please visit parts.adj.com

Warning: To reduce the risk of shock or fire, do not expose this device to rain or moisture!

Warning: There are no user serviceable parts inside this unit. Do not attempt to perform any repairs yourself, as doing so will void your manufacturer's warranty. Damage resulting from modifications to this device 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.

KEY FEATURES

- Daisy chain linking capability to get power where you need it
- Outdoor power locking input connection to supply main power
- Outdoor power locking thru connection to link to other Power Bones
- 4x outdoor power locking outputs to connect to targeted equipment
- 2x USB sockets: 5V-2.1A and 5V-1.3A
- LED power indicator
- Omega bracket for clamp / truss mount

WARRANTY RETURNS

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.

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 the product back—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 prepaid. 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 and packaging material. No accessories should be shipped with the product. If any accessories are shipped with the product, ADJ Products, LLC shall incur no liability whatsoever for loss of 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 ADJ Products, LLC concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the ADJ Products, LLC factory unless prior written authorization was issued to purchaser by ADJ Products, LLC; if the product is damaged because it was 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 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 warranty 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 all warranties, whether expressed or implied, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. 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 Product, LLC be liable for any loss and/or damage, direct and/or consequential arising out of the use of, and/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.

MANUFACTURER'S LIMITED WARRANTY PERIODS:

- Non-LED Lighting Products = 1-Year (365 Days) (Including Special Effect Lighting, Intelligent Lighting, UV lighting, Strobes, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands, Power/Data Distribution, etc. excluding LED and lamps)
- Laser Products = 1-Year (365 Days) (excluding laser diodes which have a 6-Month Limited Warranty)
- LED Products = 2-Year (730 Days) (excluding batteries which have a 180 Day Limited Warranty)
- NOTE: 2-Year (730 Days) Limited Warranty ONLY applies to product purchased within the United States. StarTec Series = 1-Year (365 Days) (excluding batteries which have a 180 Day Limited Warranty)
- ADJ DMX Controllers = 2 Year (730 Days)
- American Audio Products = 1 Year (365 Days)

SAFETY GUIDELINES

For Your Own Personal Safety, Please Read and Understand This Manual Completely Before You Attempt To Install Or Operate This Unit!

- Be sure to save the packing carton in the unlikely event the device has 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 fixture(s) that you are running in conjunction with this device.
- Do not open up the device for any reason. There are no user serviceable parts inside.
- 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.
- This device is intended for indoor use only. Use of these devices 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

Maximum ambient operational temperature is 104°F (40° C). It is important to also consider the ambient temperature restrictions of the fixture(s) that you are using in conjunction with this device. Do not operate when ambient temperature falls outside the acceptable range of this device or any fixtures that are being used in conjunction with this device!

Keep flammable materials away from this device and any fixture(s) that the device may be connected to!

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 devices have been exposed to rain or water.
- D. The appliance does not appear to operate normally or exhibits a marked change in performance.

SAFETY GUIDELINES

This fixture is a sophisticated piece of electronic equipment. To guarantee smooth operation, it is important to follow all instructions and guidelines in this manual. ADJ Products, LLC 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 fixture, and only the original rigging parts included with this fixture should be used for installation. Any modifications to the fixture and/or the included mounting hardware will void the original manufacturer's warranty and increase the risk of damage and/or personal injury



PROTECTION CLASS 1 - FIXTURE MUST BE PROPERLY GROUNDED

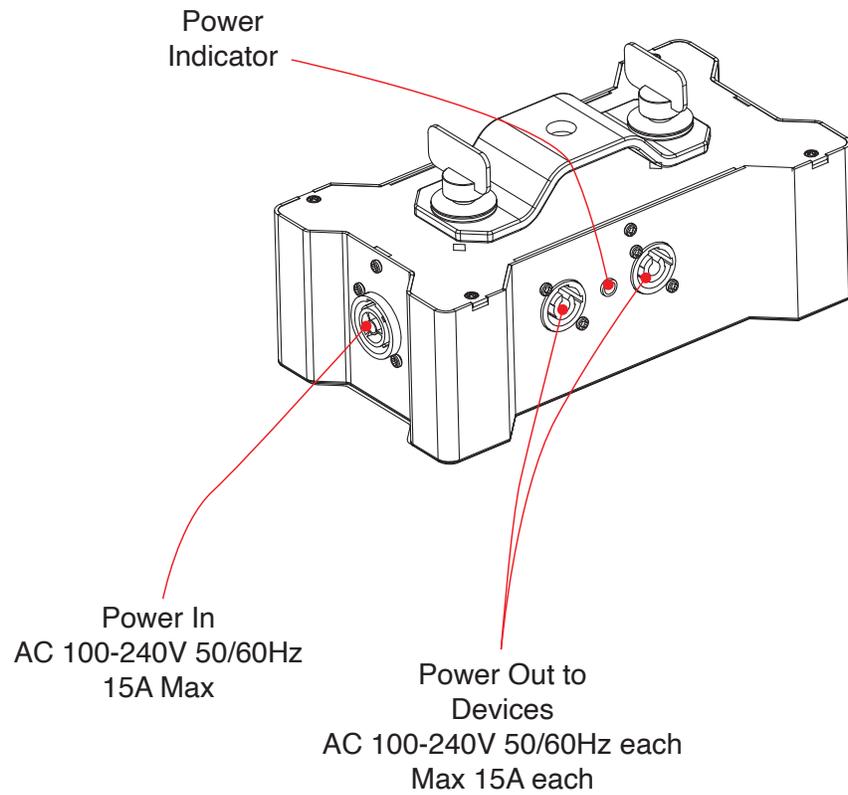
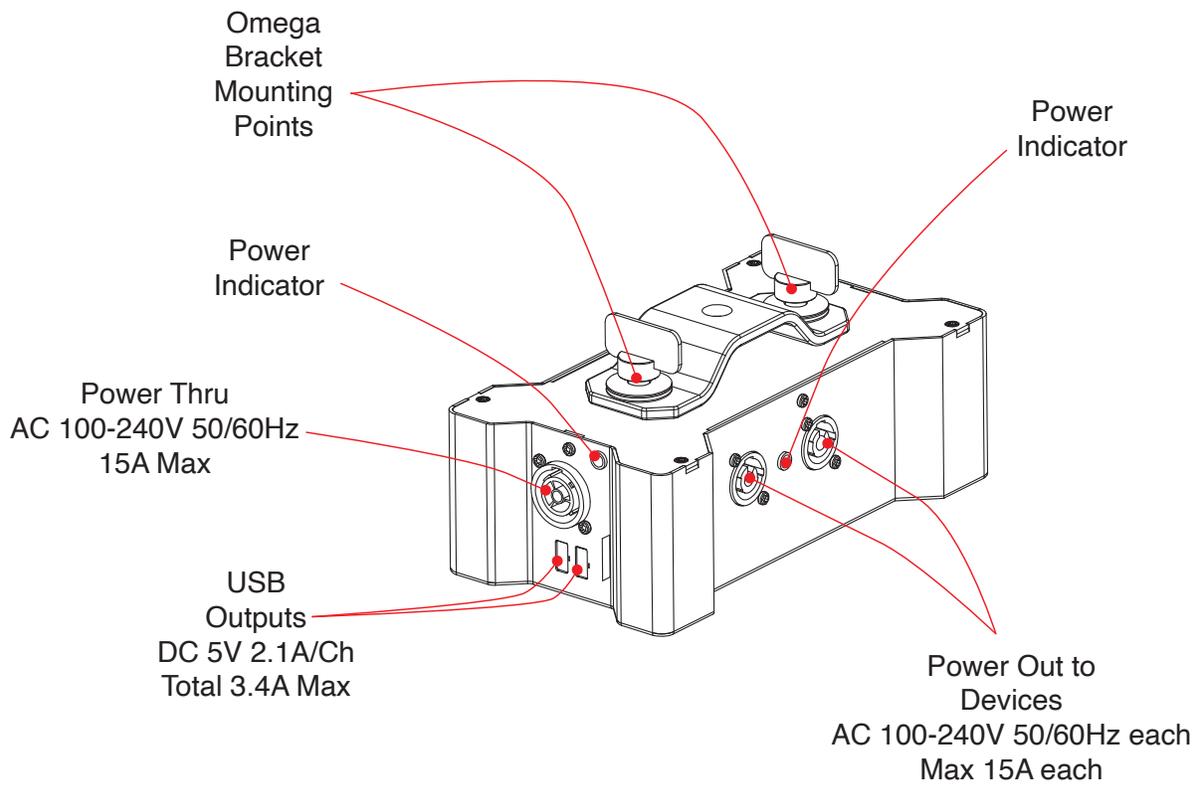


THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS UNIT. DO NOT ATTEMPT ANY REPAIRS YOURSELF; DOING SO WILL VOID YOUR MANUFACTURER'S WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS FIXTURE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURER'S WARRANTY AND ARE NOT SUBJECT TO 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!
NEVER TOUCH DEVICE DURING OPERATION, AS IT MAY BE HOT!
KEEP FLAMMABLE MATERIALS AWAY FROM DEVICEE!**

OVERVIEW



INSTALLATION

FLAMMABLE MATERIAL WARNING!

Keep device 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 unit **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 fixture, clamps, cables, and accessories.

Maximum ambient operating temperature range is **104 degrees F (40 degrees C)**. Do not operate the device if ambient temperature exceeds this limit.

This fixture should be installed away from walking paths, seating areas, and areas within reach of the general public.

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

Allow approximately 15 minutes for the fixture to cool down before servicing.

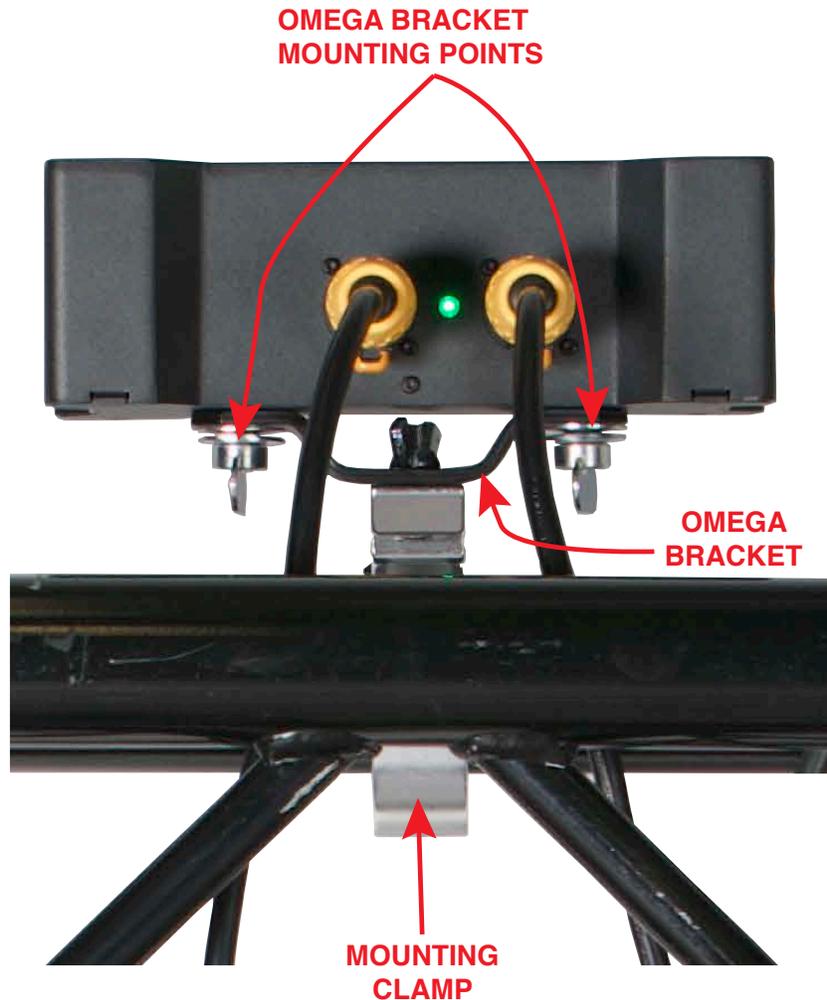
INSTALLATION

OMEGA BRACKET INSTALLATION

Insert the Omega Bracket into the matching holes on the top of the device. Secure the Omega Bracket to the device by turning each quick-lock fastener $\frac{1}{4}$ turn clockwise. Always check to make sure that each fastener is completely locked.

CLAMP INSTALLATION

When mounting the device to a truss, be sure to secure an appropriately rated professional grade rigging clamp to the included Omega Brackets using an M10 screw fitted through the center hole of the Omega Brackets.



RIGGING

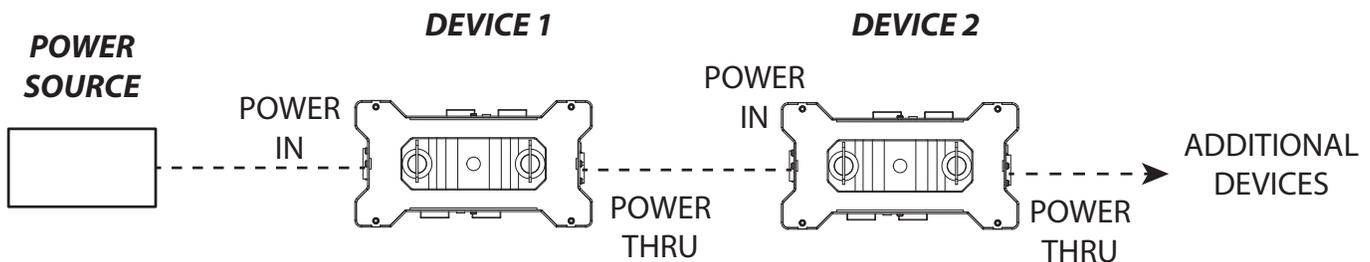
Overhead rigging requires extensive experience, including but not limited to: calculating working load limits, understanding the installation material being used, and periodic safety inspection of all installation material and the fixture itself. If you lack these qualifications, do not attempt to perform the installation yourself. Improper installation can result in bodily injury.

INSTALLATION

CONNECTIONS

- Up to four (4) devices may be connected to each Power Bone device using the Seetronic outlets located on either side of the Power Bone device.
- Two (2) USB outlets located on the “Power Thru” end of the Power Bone can be used to charge or operate low-power devices.
- When the Power Bone is connected to the power source, the LEDs on the sides will illuminate to indicate that the device is receiving power.
- If desired, multiple Power Bone devices can be linked together by using the “Power In” and “Power Thru” ports located on the ends of each Power Bone device. Please note that the “Power Thru” port is located on the end with the USB ports, while the “Power In” port is located by itself on the other end.
- Use caution when linking multiple Power Bone units. The number of Power Bone units that can be safely linked is dependent upon the individual power requirements of each device that is connected to the Power Bone unit(s). Up to 15A maximum can be connected on a single daisy chain of Power Bone units.

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!



CLEANING & MAINTENANCE

WARNING! DISCONNECT UNIT FROM POWER BEFORE PERFORMING ANY CLEANING OR MAINTENANCE PROCEDURES!

ALWAYS ALLOW THE FIXTURE TO COOL FOR AT LEAST 15 MINUTES BEFORE PERFORMING ANY CLEANING OR MAINTENANCE!

CLEANING

Frequent cleaning is recommended to ensure proper function and an 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's surfaces. Clean periodically with a soft cloth to avoid dirt/debris accumulation.

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

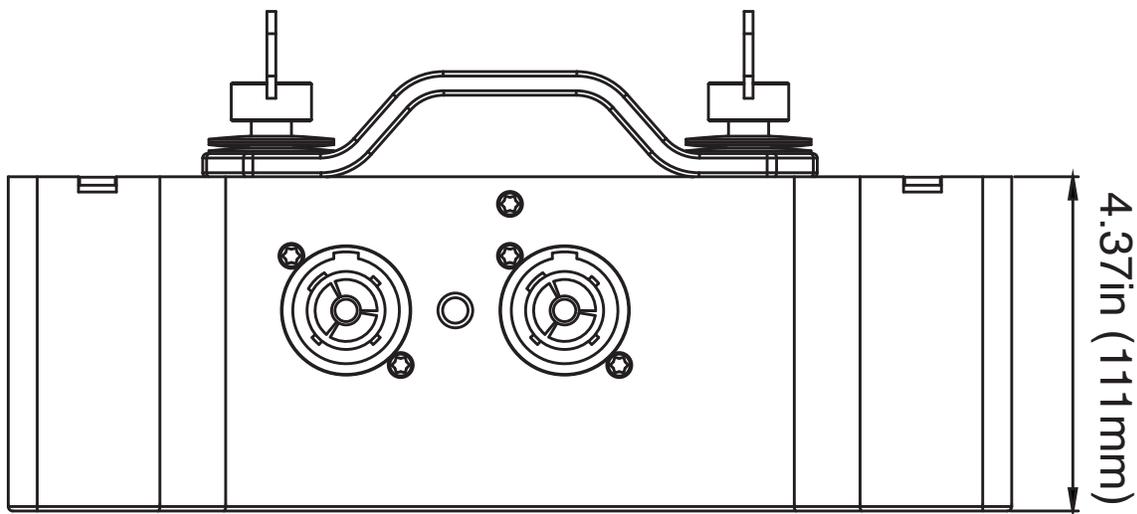
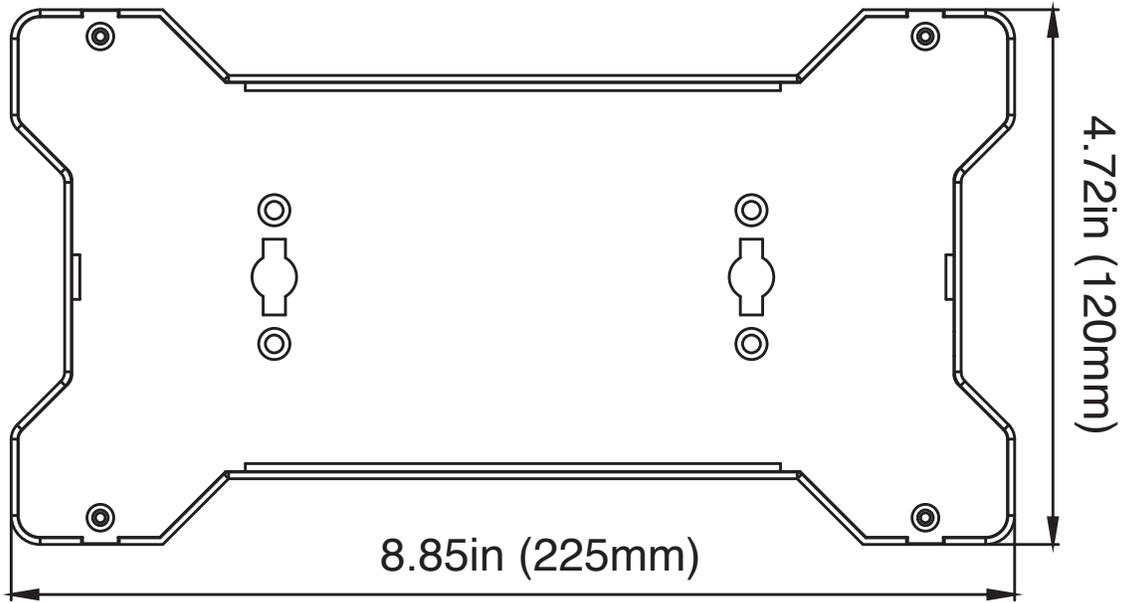
MAINTENANCE

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

Please refer to the following points during routine inspections:

- 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.
- 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 fixture. Damaged rigging points or unsecured rigging could cause the fixture to fall and seriously injure a person(s).
- Electric power supply cables must not show any damage, material fatigue or sediments.

DIMENSIONAL DRAWINGS



Dimensions not to scale

SPECIFICATIONS

FEATURES:

- Seetronic, IP65 Locking Power input and thru connections
- 4x Seetronic, IP65 Locking Power output connections
- 2x USB sockets. USB1: 5V-2.1A, USB2: 5V-1.3A
- IP20 rated for dry location use only
- Power indicator LEDs for input & outputs

ELECTRICAL:

- Power Input: 100-240VAC ~ 50/60Hz
- Maximum daisy chain current draw: 15A

DIMENSIONS / WEIGHT:

- Dimensions (LxWXH): 8.85" x 4.72" x 4.37" / 225x120x111mm
- Weight: 3.35 lbs. / 1.5 kg.

INCLUDED ACCESSORIES:

- Quick Release, locking omega bracket
- 6ft., 12 gauge, IP65 Locking Power Connector to Edison cable

