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> Cedarslink Aluminum Box Square Truss Instruction Manual

Cedarslink 1.5m Aluminum Box Square Truss

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Model: 4.92 ft. (1.5m) Aluminum 12"x12" 290mmx290mm Box Square Truss Segment

INTRODUCTION

This manual provides essential information for the safe and effective use of your Cedarslink Aluminum Box Square Truss Segment. Please read this manual thoroughly before installation, operation, or maintenance to ensure proper handling and to prevent damage or injury. This truss segment is designed for professional use in live sound, stage, and lighting applications, providing a robust and reliable structure for various setups.

IMPORTANT SAFETY INFORMATION

Always adhere to the following safety guidelines to ensure safe operation and prevent accidents:

- Do not exceed the specified load capacities. Refer to the "Technical Specifications" section for detailed load limits.
- Ensure all connections are secure and properly fastened using the provided couplers.
- Regularly inspect the truss for any signs of damage, deformation, or wear before each use. Do not use damaged truss segments.
- Installation and dismantling should only be performed by qualified personnel familiar with trussing systems and safety procedures.
- Distribute loads evenly across the truss structure. Avoid concentrated loads that could compromise structural integrity.
- Keep clear of the area directly beneath suspended loads.
- Store truss segments in a dry, clean environment to prevent corrosion or damage.

PRODUCT OVERVIEW

The Cedarslink Aluminum Box Square Truss Segment is a high-quality, lightweight component designed for constructing robust and versatile support structures. It features a 290mm x 290mm (12"x12") box design with a 2mm wall thickness,

ensuring durability and strength for various applications.



Image: A Cedarslink 4.92 ft (1.5m) aluminum box square truss segment, shown with four connection couplers. The truss features a silver, metallic finish with a sturdy, welded construction, ideal for stage and lighting setups.

Components Included:

- 1 x 4.92 ft. (1.5m) Aluminum Box Square Truss Segment
- 4 x Connection Couplers (with pins and R-clips)

SETUP AND ASSEMBLY

1. Unpacking

Carefully remove the truss segment and couplers from their packaging. Inspect all components for any signs of shipping damage. If any damage is found, do not proceed with assembly and contact Cedarslink support.

2. Connecting Truss Segments

This truss segment is designed for compatibility with major name brands. To connect multiple truss segments:

1. Align the male end of one truss segment with the female end of another.
2. Insert the four provided connection couplers into the corresponding holes at each corner of the truss connection point.
3. Secure each coupler by inserting the pin through the coupler and truss, then securing it with the R-clip. Ensure all pins and R-clips are fully engaged and locked.
4. Verify that the connection is tight and stable before applying any load.

OPERATION AND USAGE

Load Capacity

It is critical to understand and adhere to the load capacities of the truss system. Exceeding these limits can lead to structural failure and severe injury.

- **Centerpoint Load:** 4,568 lbs (2,072 kg)
- **Distributed Load:** 6,093 lbs (2,764 kg)

Always calculate the total weight of all attached equipment (lights, speakers, video walls, etc.) and ensure it does not exceed the truss's rated capacity for the specific configuration being used.

Applications

This truss segment is suitable for a wide range of professional applications, including:

- Supporting stage lighting fixtures
- Mounting sound systems and speakers
- Constructing exhibition booths and display structures
- Creating overhead rigging for events and concerts
- Retail store displays and architectural elements

MAINTENANCE AND CARE

Proper maintenance extends the lifespan of your truss system and ensures continued safety.

- **Cleaning:** Clean the aluminum surfaces with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the finish.
- **Inspection:** Before and after each use, thoroughly inspect the truss for:
 - Cracks, bends, or dents in the main chords or diagonal bracing.
 - Loose or damaged welds.
 - Deformed or worn connection points.
 - Missing or damaged couplers, pins, or R-clips.

Replace any damaged components immediately.

- **Storage:** Store truss segments in a dry, well-ventilated area, preferably off the ground, to prevent moisture accumulation and potential damage. Protect from impacts during storage and transport.

TROUBLESHOOTING

This section addresses common issues you might encounter with your truss segment.

Problem	Possible Cause	Solution
Truss segments do not connect smoothly.	Misalignment of connection points; debris in holes; minor deformation.	Ensure proper alignment. Clean any debris from connection holes. If deformation is present, do not force connection; inspect for damage.
Couplers are difficult to insert or remove.	Debris in coupler holes; slight deformation of coupler or truss end.	Clean coupler holes. Ensure couplers are not bent or damaged. Apply a small amount of dry lubricant if necessary.

Problem	Possible Cause	Solution
Truss feels unstable after assembly.	Couplers not fully engaged; pins/R-clips not secured; damaged truss segment.	Verify all couplers are fully inserted and pins/R-clips are locked. Inspect all segments for damage. Reassemble carefully.

TECHNICAL SPECIFICATIONS

Feature	Specification
Length	1.5 m (4.92 ft)
Outer Diameter Tube	2 in (50 mm)
Dimensions (Box)	11.42 x 11.42 in (290 x 290 mm)
Diagonal Bracing	0.75 in (20 mm)
Wall Thickness	0.08 in (2 mm)
Weight	18.4 lbs
Material	High-grade, lightweight Aluminum
Centerpoint Load	4,568 lbs (2,072 kg)
Distributed Load	6,093 lbs (2,764 kg)
Compatibility	Compatible with all major name brands

WARRANTY AND SUPPORT

For any questions regarding product warranty, technical support, or replacement parts, please contact Cedarslink directly. Refer to the official Cedarslink website or your purchase documentation for specific warranty terms and contact information.

You can visit the Cedarslink Store for more information: [Cedarslink Store on Amazon](#)

