



**Note:** Please read this application guide before beginning installation. This application guide is presented in good faith to help in the use of Kirei EchoPanel® products. Kirei accepts no responsibility for installation actions taken or not taken. This document is not intended as an all-encompassing guide, your knowledge as an experienced installer needs to be applied. This application guide contains only recommendations; if you have any questions about installation techniques please contact Kirei at [info@kireiusa.com](mailto:info@kireiusa.com) or 619.236.9924

## ECHOSKY SPECIFICATIONS

EchoSky is available in (12) standard dimensions and can be made to order in endless custom layouts to fit the specifics of your project. Each size, including custom sizes, can be assembled in continuous lengths on-site, ensuring symmetrical alignment and repetition of spacing.

### **PARTS:**

The EchoSky Acoustic Baffle System is composed of 3 primary elements: the Aluminum Tube Rack, our proprietary Aluminum Channel Track and the EchoPanel Baffles.

The rack can be hung using aircraft cable, chain or rod as specified by the client. Both the Channel and Rack are engineered for compatibility with standard 1/4"-20 fasteners, and the suspension system can be attached to both the Channel and/or the Rack.

EchoSky comes with both 1/4"-20 Eyebolts for hanging with looped cable or chain as well as 1/4"-20 x 3/4" Set Screws which are compatible with most aircraft cable suspension hardware.

### **RECOMMENDED TOOLS:**

- Rubber Mallet (clean, non-marring white or natural preferred)
- Drill/Screw Gun
- 1/8" Hex Driver for Set Screws | 4mm Hex Driver for Joint Connector Bolts

### **PREFERRED ASSEMBLY:**

The safest and easiest assembly is achieved by supporting the Rack at a comfortable working height with room to mount the Channel and Baffles at or near its installation location. Two-person assembly is suggested for larger EchoSky Acoustic Baffle Systems. Multiple or continuously-connected EchoSky Racks are best assembled by completely assembling the frame on a protected floor surface and suspending it prior to mounting Channels and Baffles.

## ASSEMBLY GUIDE

The following assembly steps are for standard dimension EchoSky Acoustic Baffle System as a stand-alone unit. Prior to assembly, we recommend evaluation of install site, hanging positions and process. These may differ greatly based on structure, ceiling height, mounting height and size/format of EchoSky to be installed.

### RACK AND CHANNEL



1. Lay out the Tube Frame on a clean, protective surface with the holes facing up.



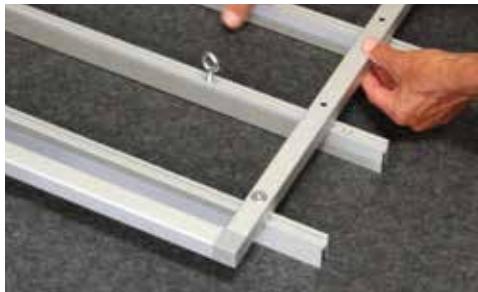
2. Using a white rubber mallet, drive the Tube Connectors fully into the tube ends. Be sure to protect the tube from hard surfaces and denting during assembly.



3. Place Channel underneath the frame, slide in hex nuts for assembly (add 2 extra and slide towards center for the Channel positions that are to be used for suspending the EchoSky)



4. Insert Joint Connector Bolt, align to Nut and hand thread. Using a hex driver, tighten while maintaining the Frame and Channel aligned properly.



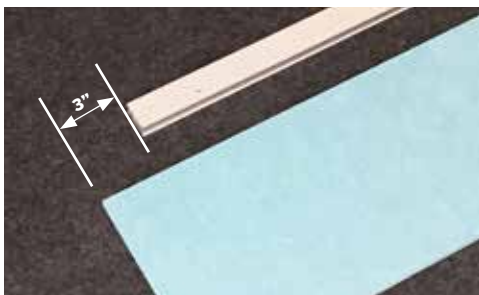
5. Repeat steps for all Channels



6. Position the extra Hex Nuts and thread in Eyebolt or Set Screw for connecting to the specified suspension system.

Based on specifics of location height, type of mounting hardware and available equipment, the installer may pre-assemble the Rack at ground level with only 2 or 3 Channels and hanging hardware pre-mounted, and complete the assembly of remaining components while suspended.

### CHANNEL AND BAFFLE



1. Align with 3" of baffle extending from end of channel.



2. Place screw in pre-drilled hole of channel and fasten.



3. Complete channel/baffle set is now ready to mount on rack.

### HANGING OPTIONS

24" x 48" and 48" x 48" rack systems can be hung with four attachment points.

24" x 96" and 48" x 96" rack systems require 6-8 attachment points.

EchoSky must be hung with weight distributed evenly between all attachment points.

## WHAT IS ECHOPANEL®?

EchoPanel® is a decorative acoustically absorbent panel with a felt-like finish. EchoPanel® is made from 100% PET plastic which depending on the color, contains up to 60% post-consumer content. EchoPanel® is also recyclable in the PET waste stream.

## HOW IS ECHOPANEL® USED?

EchoPanel® is used as a decorative sound reducing panel. It can be installed on walls, ceilings, in office furniture systems, decorative tiles, and even finished products. It is also tackable for a multipurpose solution in office spaces or educational facilities.

## CUSTOM ECHOPANEL SIZES:

Custom thickness and sizes may be available. Minimum order quantities will apply. These sizes and quantities are available on request through Kirei at [info@kireiusa.com](mailto:info@kireiusa.com) or 619.236.9924.

## HANDLING AND STORING:

EchoPanel® panels and tiles should be stored flat. Storage areas should be clean, dry, cool, and well ventilated. EchoPanel® is a soft material which may be damaged by impression or impact, and may be soiled by contact with dirty surfaces or hands. Maintain clean work surfaces and wear clean gloves while handling EchoPanel®. All EchoPanel® products are inspected prior to shipment. Kirei is not responsible for damage in shipment or in storage; customers should carefully inspect all items at time of delivery and note any obvious damage on the delivery receipt. For the customer's protection subsequently discovered concealed damage must be reported immediately to the carrier. Claims to Kirei will not be considered if the sheet has been worked by the customer or others. No claims for labor charges will be allowed in any circumstances.

## HANDLING AND STORAGE GUIDELINES:

- Carefully inspect all material at time of delivery and note any obvious damage on the delivery receipt.
- Store EchoPanel® sheets horizontally, with support under full sheets.
- Keep EchoPanel® sheets as clean as possible during storage. Both sides of EchoPanel® should be kept free from grease, wax, dust, and chips that could leave impression.
- Store EchoPanel® sheets indoors, in a dry, cool, well-ventilated area.
- Avoid exposure to heat 150°F (65°C) or greater.
- Keep table tops clean to avoid scratching the sheets.
- Before cutting the sheets, inspect the whole sheet for defects, then recover for protection during fabrication.
- Wear clean gloves when handling the sheets.
- Do NOT store EchoPanel® sheets near radiators, steam pipes, or in direct sunlight.

## CLEANING AND CARE:

Remove dust and dirt by dusting, vacuuming, or with a soft cloth or sponge and a solution of carpet or upholstery shampoo. Always use a soft, damp cloth and blot dry. Spot cleaner such as ZEP Commercial Instant Spot Remover has been used with success for light soil. No guarantee is given for cleaning results with this product.

## WORK SAFETY:

In the interest of work safety, it is recommended that people working with Kirei EchoPanel® wear the appropriate safety equipment. Although the product emits zero off-gases, masks and gloves should be worn to ensure the maximum possible safety precautions. For an MSDS form, please contact Kirei at [info@kireiusa.com](mailto:info@kireiusa.com) or 619-236-9924.