

EchoPanel EchoCloud Installation Guide

Note: Please read the entire Installation Guide before application.

The installation guide is intended to provide installers with helpful information regarding EchoPanel EchoClouds prior to installing the material. Kirei accepts no responsibility for installation actions taken or not taken. This installation guide is not intended to be an in-depth guide; installers' knowledge as experienced tradesman needs to be applied.

This installation guide serves only as a recommendation for installing and handling EchoPanel EchoClouds. If you have questions about application or techniques, contact Kirei at www.kireiusa.com or 619.236.9924.

EchoPanel EchoCloud Specifications

EchoCloud is a sound-absorbing ceiling system that can be mounted flush or hung from ceilings. EchoClouds are made of 12mm EchoPanel, which is a decorative acoustically absorbent panel with a felt-like finish. EchoPanel is made from 100% PET plastic which, depending on color, contains up to 60% post-consumer content. EchoPanel is also recyclable in the PET waste stream.

Fire Rating

EchoCloud 12mm panels are rated ASTM E84 Class C. EchoCloud 12mm panels can be treated to satisfy Class A requirements as needed. Check the Fire Rating requirements for your Project, Building or Municipality in advance. ASTM E84 test results can be obtained by contacting Kirei.

Low VOC Material

EchoPanel® is considered a low-VOC emitting material making it a healthy building option for interior finishes. EchoPanel® is CDPH (CA 01350) Compliant TVOC: <0.5 mg/m³, and Ecospecifier GreenTag Compliant; TVOC: 0.015 MG/M²/HR (ASTM D5516).

Handling and Storage

Keep it clean! EchoCloud is an absorbent material and traps dirt, grime and debris just as well as it does sound. White glove handling is recommended for prep, processing and installation. Kirei is not responsible for mishandling on the job site.

Keep it flat! If cutting, drilling or mounting hardware on site, make sure that EchoCloud is evenly supported on a flat, clean surface. Improperly handled material can crease.

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Handling and Storage (Cont.)

Keep it vertical! Large pieces should all be carried like glass or thin plywood sheets, vertically on edge to avoid creasing. EchoPanel is thermally stable material and naturally wants to remain flat or vertical. EchoClouds should be stored flat. Storage areas should be clean, dry, cool, and well ventilated.

EchoCloud 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 EchoCloud.

All EchoCloud 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.

To handle and store EchoCloud properly, follow these guidelines:

- Carefully inspect all material at time of delivery and note any obvious damage on the delivery receipt.
- Store EchoClouds horizontally with support.
- Keep EchoClouds as clean as possible during storage. Both sides of EchoCloud should be kept free from grease, wax, dust, and chips that could leave impression. Store EchoCloud 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.
- Wear clean white gloves when handling the sheets.
- Do NOT store EchoClouds 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 some light soil situations. No guarantee is given for cleaning results with this product.

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Included EchoCloud Parts

- EchoCloud(s) as ordered
- One of the two hanging hardware options:

Option 1: Height-adjustable GripLock Cable Set (*for circle clouds only*). Cable Sets come with a height-adjustable multiple splitter and 3 or 4 ball ends cables with adjustable gripper gated hooks.

Option 2: Cloud Track laterally adjustable mounting system. Cloud Track comes with corresponding quantity of assembly screws plus 1/4"-20 nuts, eyebolts and set screws for the installer to properly align and attach their specified cable drops.

NOTE: Installers are responsible for 1/16" aircraft cable and the code-compliant ceiling mounting hardware.

Preferred Installation

Due to the great variance in overhead environments, our guidelines are meant to provide suggested placement only. Exact placement and suspension methods are subject to design specification, regional code, site-specific requirements and installer judgment.

Please see the next pages for EchoCloud installation options based on hardware selection.

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Option 1: GripLock Cable Set Installation

(for circle clouds only)

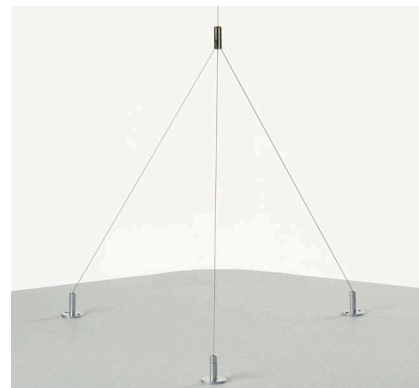
Step 1: Determine location of install and ensure that cable path from ceiling is unobstructed.

Step 2: Echocloud Griplock Cable Gripper Mounts are intended to be mounted symmetrically 6-10" from the outer edge of the cloud. cable runs from the Cable Gripper Mounts to single Cable Splitter which enables leveling and height adjustability. The ceiling mounting cable runs from the ceiling to the Cable Splitter. (See Diagram)

Step 3: Using provided screws and washers, mount Cable Gripper positioning the washer under the Gripper and screw snug. *(Note: To prevent dimpling on the underside, do not over-tighten.)*

Step 4: Assemble the Cable Splitter with provided Ball-End Cables and adjustable Gated Hooks and mount free cable ends to the Cable Grippers.

Step 5: The EchoCloud assembly is now ready to attach to the installer-provided 1/16" cable drop.



Option 2: Cloud Track Set Installation

Step 1: Determine location of install and ensure that cable path from ceiling is unobstructed.

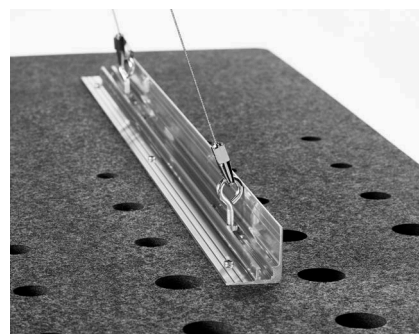
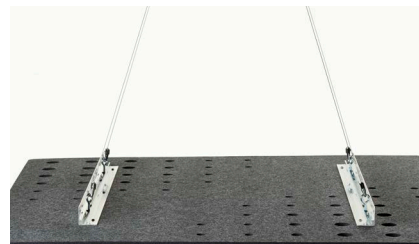
Step 2: Symmetrically mount the Cloud Track 4"- 8" inset from the edge of the Cloud using the provided #8 x 1/2" screws.

Step 3: Select the appropriate Eyebolts or Set Screws, thread into Square Nuts, slide into position along the Track and tighten.

Step 4: Attach installer-supplied ceiling mounting hardware and make cable drops.

Step 5: Determine specified height from floor, attach cable drops to cloud track, and level.

Note: Installers need to supply 1/16" aircraft cable and ceiling mounting hardware.



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Shape	Cloud Track Quantity and Lengths	GripLock Cable Sets Quantity and Format
3D Hex	(2) 24" Tracks	-
Flat Rectangle Small	(2) 32" Tracks	-
Flat Rectangle Large	(2) 80" Tracks	-
Flat Square Small	(2) 12" Tracks	-
Flat Square Large	(2) 32" Tracks	-
Flat Hex	(2) 24" Tracks	-
Flat Oval	(2) 80" Tracks	-
Flat Circle Small	(2) 12" Tracks	(1) 3-way Cable Set
Flat Circle Medium	(2) 24" Tracks	(1) 3-way Cable Set
Flat Circle Large	(2) 32" Tracks	(1) 4-way Cable Set
Deep Square Small	(2) 12" Tracks	-
Deep Square Large	(2) 32" Tracks	-
Deep Rectangle Small	(2) 32" Tracks	-
Deep Rectangle Large	(2) 80" Tracks	-
Deep Hex	(2) 24" Tracks	-
Perforated Flat Rectangle Small	(2) 32" Tracks	-
Perforated Flat Rectangle Large	(2) 80" Tracks	-
Perforated Flat Square	(2) 32" Tracks	-
Perforated Flat Oval	(2) 32" Tracks	-
Perforated Flat Circle	(2) 32" Tracks	(2) 4-way Cable Set

Work Safety

In the interest of work safety, it is recommended that people working with Kirei EchoCloud 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 SDS form, please contact Kirei at info@kireiusa.com or 619-236-9924.

Final Note

Kirei will not be responsible for any cutting or mounting not performed by Kirei staff.

For any other questions or concerns, please contact Kirei.