

FrontRow ezRoom 2x2ft (60x60cm) Enclosure Installation Instructions

The following installation instructions apply to ezRoom systems installed in 2x2ft (60x60cm) ceiling grid systems – ezRoom PlenumCore and ezRoom Trio.



PlenumCore

Trio

Warning

Failure to follow these instructions can result in serious personal injury or damage to equipment.

Installation should only be completed by a qualified installer.

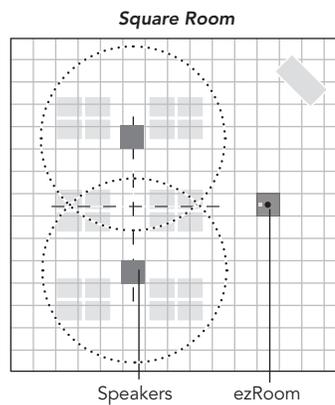
It is the installer's responsibility to make sure the structure to which this component is attached can support five times the combined weight of the enclosure and all equipment it contains. Reinforce the structure as required before installing the equipment.

Do not begin to install your product until you have read and understood the instructions and warnings contained in this installation guide.

Correct Placement for ezRoom PlenumCore

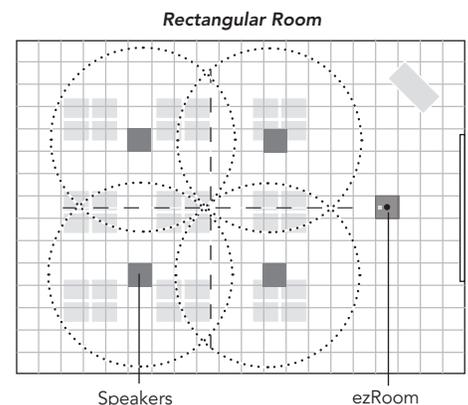
The 2x2ft (60x60cm) enclosure is typically placed at the front and center of the classroom, closest to the media to which it will be connected, such as a projector or interactive display. This makes it easier to pull and connect cables between components, controls and wall plates.

1. For speaker placement, define the area where students are sitting and divide the area into two equal sections (for two speaker installations) or four equal installations (for four speaker installations).
2. Individual speakers should be placed in the center of their respective area.
3. Avoid installing speakers directly in front of the white board - this not only covers an area not used by students but increases the chance of feedback.
4. Proceed to the section "Installation Instructions" to install the 2x2ft (60x60cm) enclosure.



Speakers

ezRoom



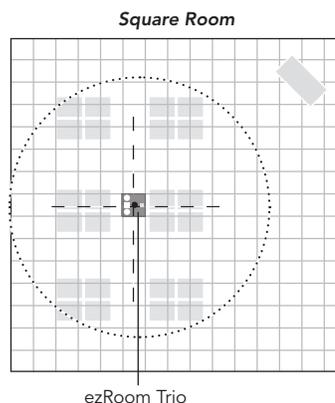
Speakers

ezRoom

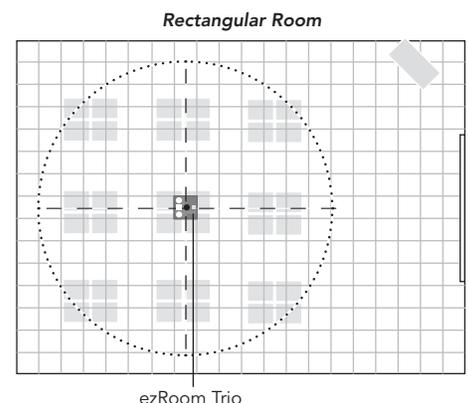
Correct Placement for ezRoom Trio

The ezRoom Trio contains a three-speaker array as well as all the components for the ezRoom system. Because of this, the Trio will need to be placed over the center of the area where students sit.

1. Define the area where students are sitting and place the Trio in the center.
2. For very large or oddly shaped rooms, two additional speakers may be added with Trio Alert systems using the Smart Receiver (ICR-01) with the Speaker Expansion preinstalled option.
3. Avoid installing speakers directly in front of the white board - this not only covers an area not used by students but increases the chance of feedback.
4. Proceed to the section "Installation Instructions" to install the 2x2ft (60x60cm) enclosure.



ezRoom Trio



ezRoom Trio

Installation Instructions

The 2x2ft ceiling enclosure is designed to be mounted on a suspended ceiling grid of 2x2ft ceiling tiles.

If the enclosure is to be installed in a 2x4ft grid, the 2x4ft tile will first need to be cut.

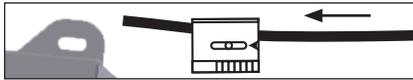
1. Secure provided cables to ceiling structure with anchors appropriate for the ceiling structure type. **(Anchors not provided)**

WARNING: Failure to properly set anchors may result in failure of anchor and serious personal injury or damage to equipment!

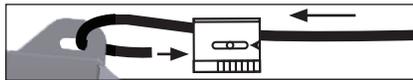
2. Loop cables through cable anchors and tighten so there is no slack at the anchor. **(Image 1)**
3. Remove one 2x2ft (or 2x4ft) ceiling tile from ceiling where the Trio/Plenumcore will be mounted. If using in 2x4ft grid, cut 2x4ft tile to fit space next to the Trio/Plenumcore.
4. Close and lock (or remove) the lid on the Trio/Plenumcore to ensure that it does not swing open during installation.
5. Place Trio/Plenumcore on top of grid while still supporting it until cables are attached in step 6 **(Image 2)**. Be sure to orient the Trio/Plenumcore for easy cable routing to power, projector, wall plates, etc.
6. Attach the cables to the Trio/Plenumcore mounting points by inserting the wire through the cable lock, then looping through the mounting point on the enclosure. Next, insert the wire through the other side of the cable lock. **(Image 3)**
Attach cables to all four corners of the Trio/Plenumcore box. **(Image 4)**

For proper cable lock installation, follow steps a through e below:

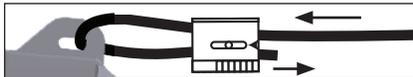
- a. Pull Adjustment pin back and pass WIRE through Kwik-Loc™



- b. Loop WIRE through anchor



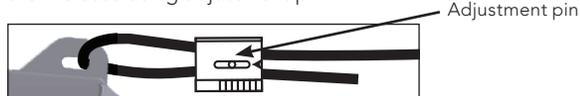
- c. Pull Adjustment pin back and pass WIRE back through Kwik-Loc



- d. Always confirm engagement of Kwik-Loc on wire before applying load



- e. To adjust, take the load off and pull the tail slightly to disengage teeth, then release using adjustment pin



7. Use the included nylon bushing if routing the AC cable through the lid to a ceiling or wall mounted receptacle. **(Image 5)**
8. Use the included cable clamps to secure cables and prevent cable damage when routing cables through the knockouts. **(Image 6)**
9. If power will be pulled directly to the Trio/Plenumcore, remove the plate on the back of the enclosure and attach the 4 inch square junction box (plenum if required), duplex outlet, and surface cover. **(Image 7)**

Image 1 Ceiling Structure

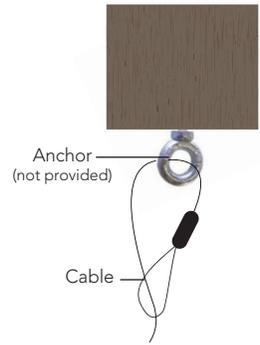


Image 2

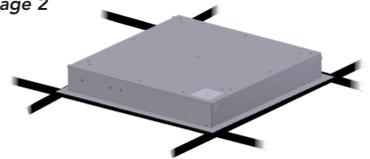


Image 3

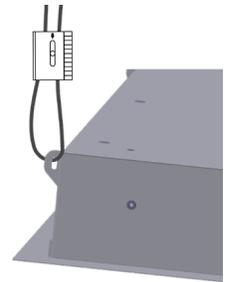
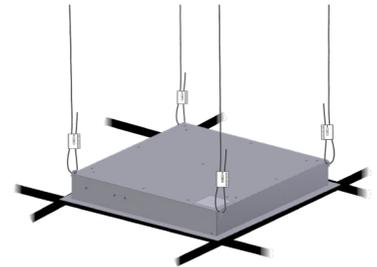


Image 4



Warning



WHEN PROPERLY INSTALLED, SAFETY CABLES SHOULD BE SUPPORTING THE WEIGHT OF THE ENCLOSURE, NOT THE SUSPENDED CEILING CROSS MEMBERS. FOLLOW LOCAL BUILDING CODES FOR PROPER INSTALLATION OF THE CABLES. SOME STATES REQUIRE SOME CABLES TO BE AT AN ANGLE TO PREVENT LATERAL MOTION IN AN EARTHQUAKE.



Image 5



Image 6



Image 7

