



IWB-1x and IWB-2x Installation Guide

Thank you for purchasing the Intuitive IWB in-wall Box. We are sure that you will be very happy with the product and its ease of installation. If you need assistance, please contact us at: 602-759-9559

Please take the time to read this manual before installation.

For the installation you will need the following tools:

Drill with Philips head screwdriver bit
Stud Detector (For retrofit Installation)
Pencil or pen (For retrofit Installation)
Wallboard saw (For retrofit Installation)
Level (For retrofit Installation)
Wood or sheet metal screws
Short pliers

Included with your IWB enclosure:

- Dog Ears (2ea. IWB-2, 4ea. IWB-1)
- Wire grommet
- 5mm x 75mm Dog Ear Screws (2ea. IWB-2, 4ea. IWB-1)
- Trim ring mounting screws
- Cut out Template
- Metal tape strip



Installation Preparation:

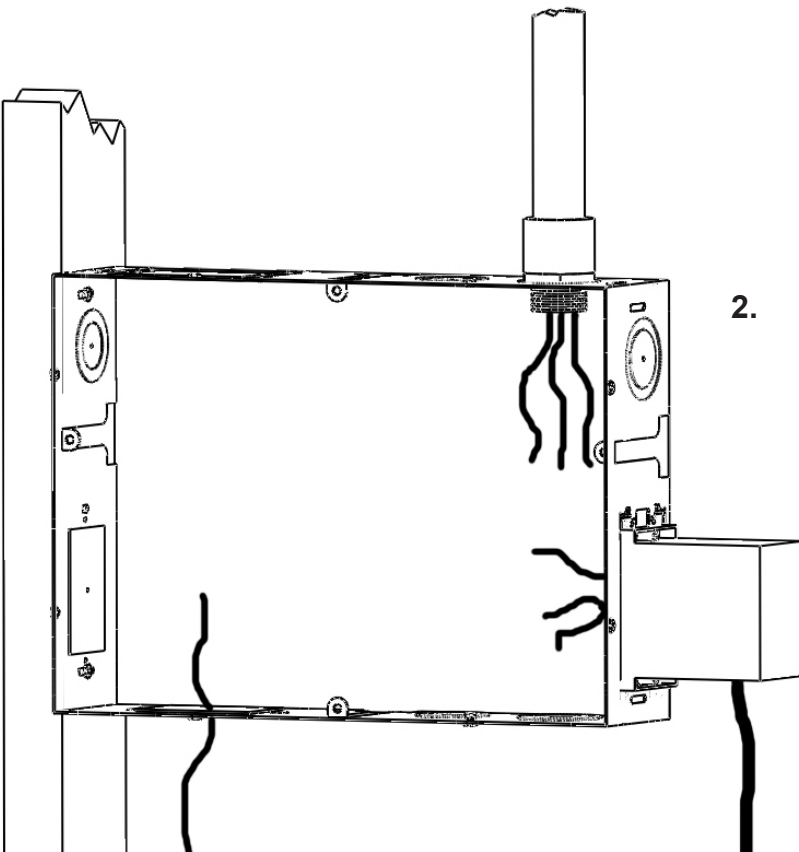
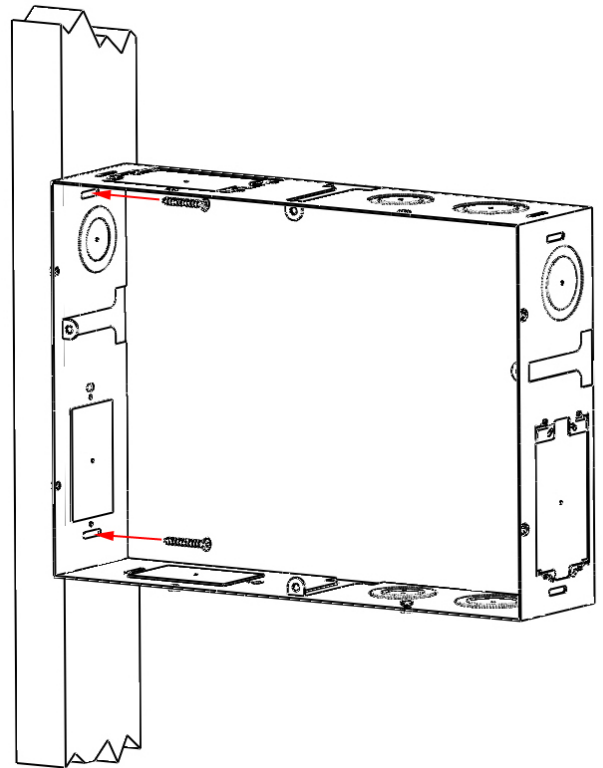
- Check to make sure that all of the included parts are in the box. If anything is missing or damaged please contact us immediately: 602-759-9559
- It is best to remove any needed punch-outs prior to mounting the enclosure. Remove them by doing the following:
 - a. Locate the punch-outs that you want to remove.
 - b. You will notice that some of the punch-outs are connected at three points, two on one side and one on the other. With a screwdriver or similar object, strike the punch-out on the side connected in one place to break it loose.
 - c. After one side is broken loose, bend it back and forth a few more times to break the other side loose.

Pre-Construction Installation

1. Mount the enclosure to one or more studs

- a. Determine the thickness of the wall board to be used.
- b. Using the slots near the corners of the enclosure, and a wood or metal screw (Not included), attach the box to the stud. Be sure to place the front of the enclosure sticking out (Proud) of the stud the thickness of the wallboard. For instance, if you are using 1/2" drywall, the face of the IWB will stick out 1/2" beyond the stud.

***Note: It is best to center mounting the screw in the slot. This will allow for future adjustment of the enclosure.



2. Wire the enclosure

- a. Add electrical boxes, low volt plates, conduits, and other needed wiring.
- b. Press the cut-out template into the enclosure to prevent damage from other trades.

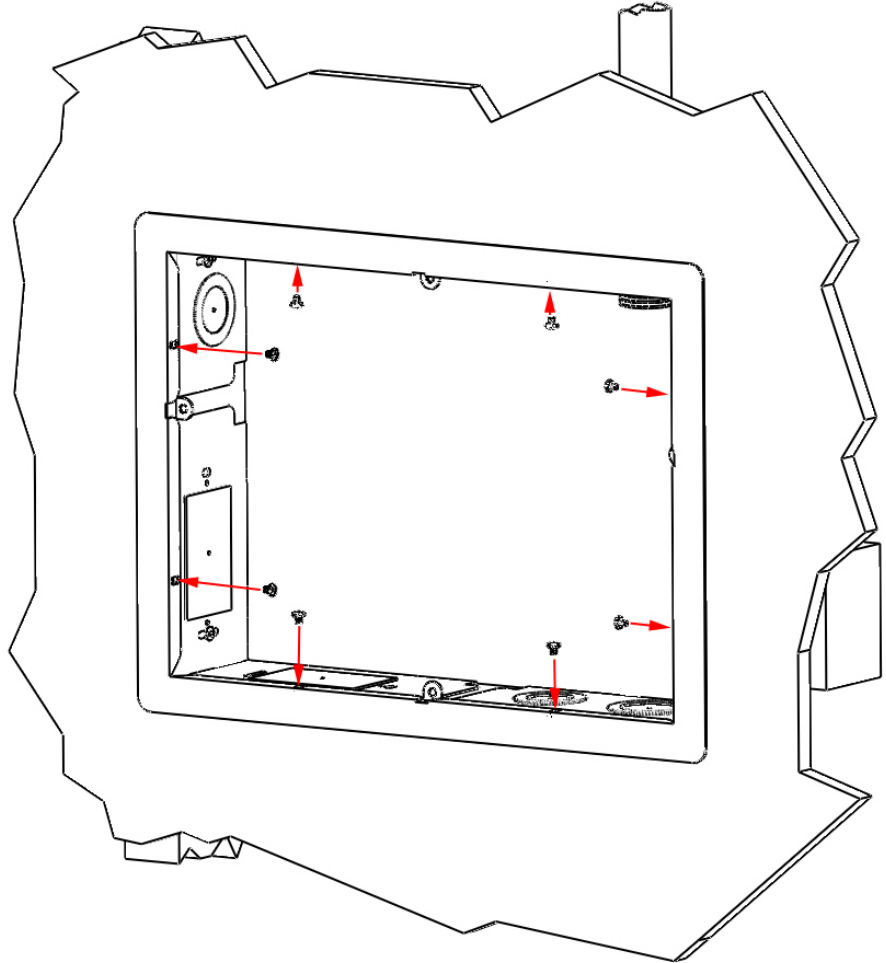
After Drywall is installed

3. Adjust the enclosure

- If necessary, loosen the mounting screws from step 1, then Slide the enclosure forward or back until it is flush with the surface and securely tighten.

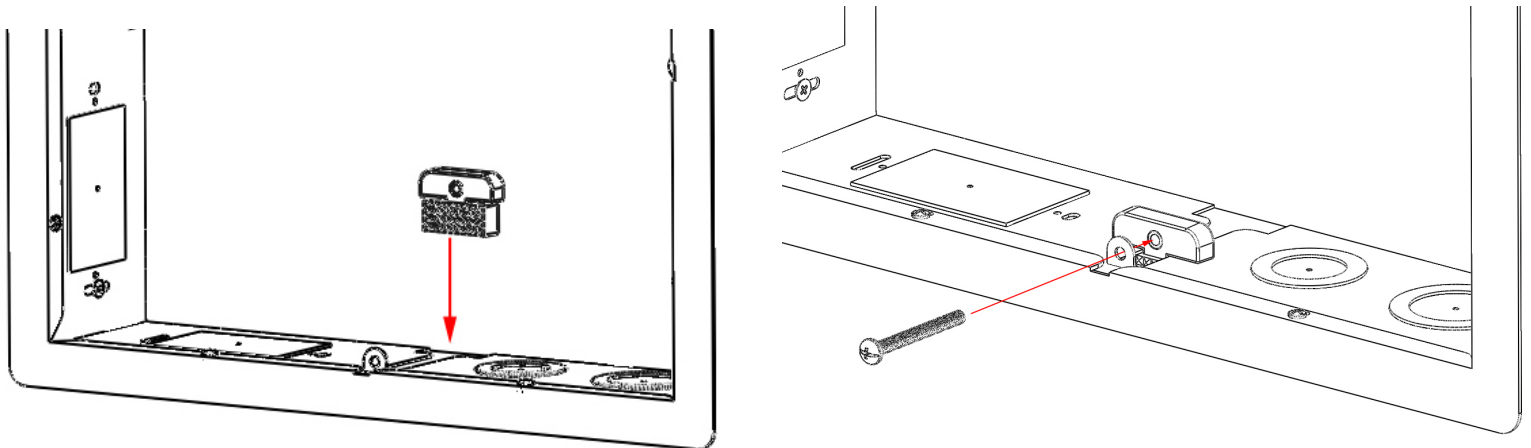
4. Mount the trim ring

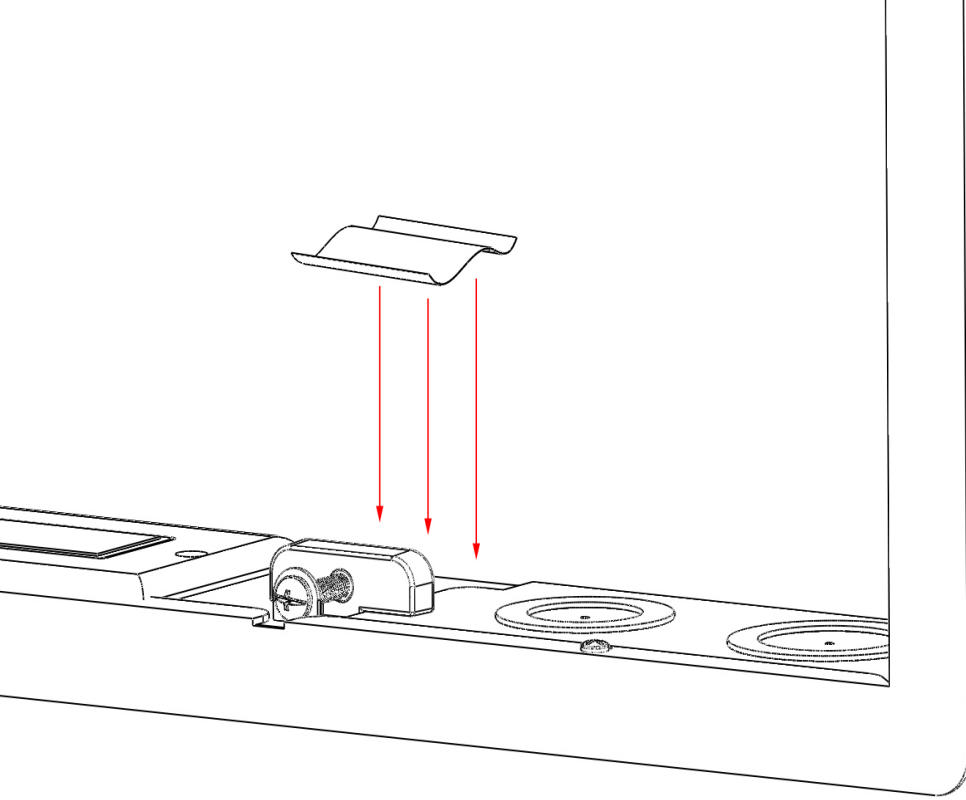
- Using the supplied screws, loosely attach the trim ring at all points around the edge.
- Tighten after all points are attached.



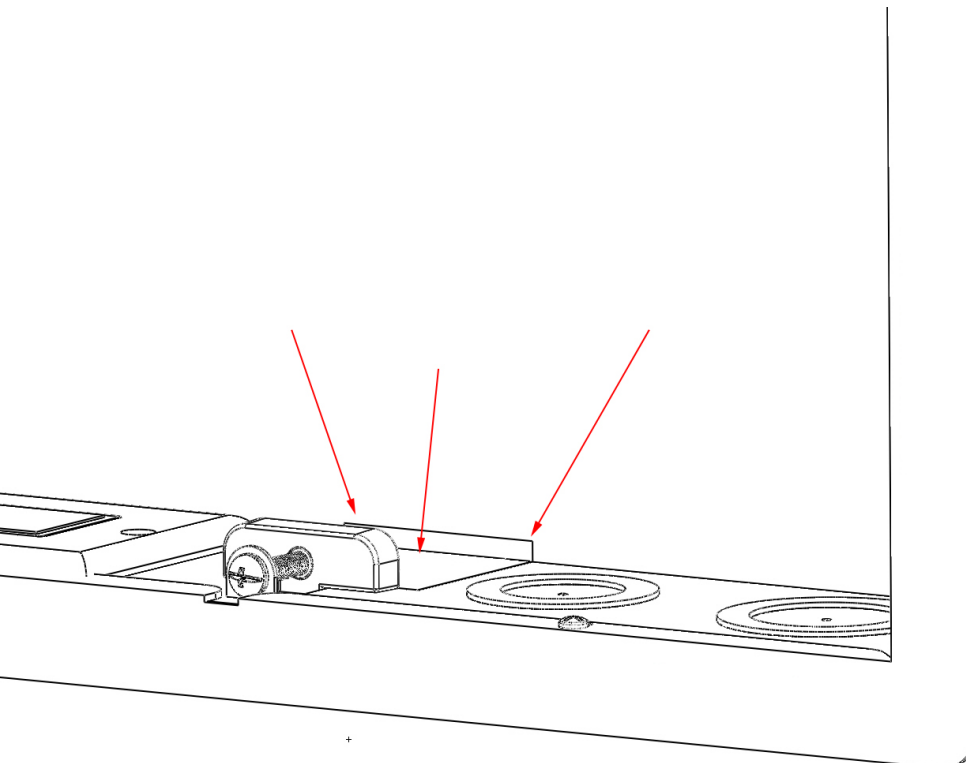
5. Install the Dog Ear. It is recommended that the Dog Ears are used even when stud mounted, this will add support and keep the enclosure flush with the surface.

- From the inside of the enclosure, carefully place the Dog Ear in the slot.
- Insert the 5mm screw through the tab on the IWB and into the Dog Ear, then tighten to clamp into place.





6. **Seal the enclosure** - Using the supplied metal tape, close off any openings in the bottom of the enclosure.
- Wipe the surface thoroughly to remove dust or debris.
 - Remove the protective layer from the tape.
 - Apply over all openings and press into place.
- ***If additional tape is needed, make sure to use a UL Listed (ALKW) metal tape ***



7. Mount Equipment and wire

You can mount directly to the rear of the IWB if your equipment has mounting tabs. If your equipment does not have mounting tabs, you can use the optional Component Mounting Kit Part # CMK-1

Using the CMK-1

- a. Attach the four rubber feet to the bottom of the equipment. Remove the protective backing and stick them in place, about 1/2" in from each corner will work best. (Fig 1)
- b. Determine where you need to locate your equipment. Attach the CMK-1 metal tabs with the supplied self-drilling screws. Place them about 1/4" away from the edge of the equipment, one on each side, top and bottom are best. Be sure to check for clearance behind the enclosure, as the screws will pass through by 1/2". (Fig 2)
- d. Remove the piece of equipment to be mounted. Feed the zip tie through both clips. The knurled/Bumpy surface should be facing up. (Fig 3)
- e. Place the equipment back in the enclosure, Cinch the zip tie down over the equipment to hold it securely in place.

***Note: It is best to have the zip tie connection at a corner of the equipment, this will give you the strongest hold.

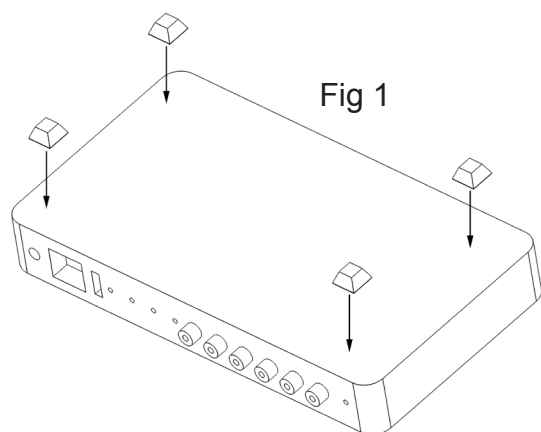


Fig 1

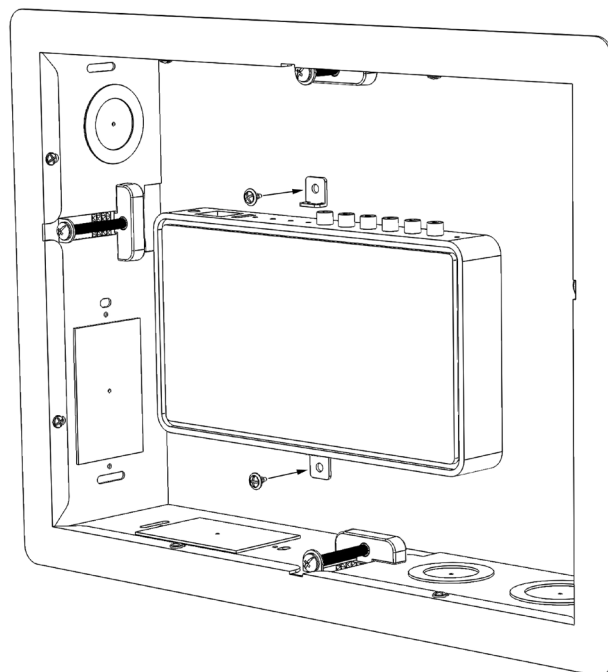


Fig 2

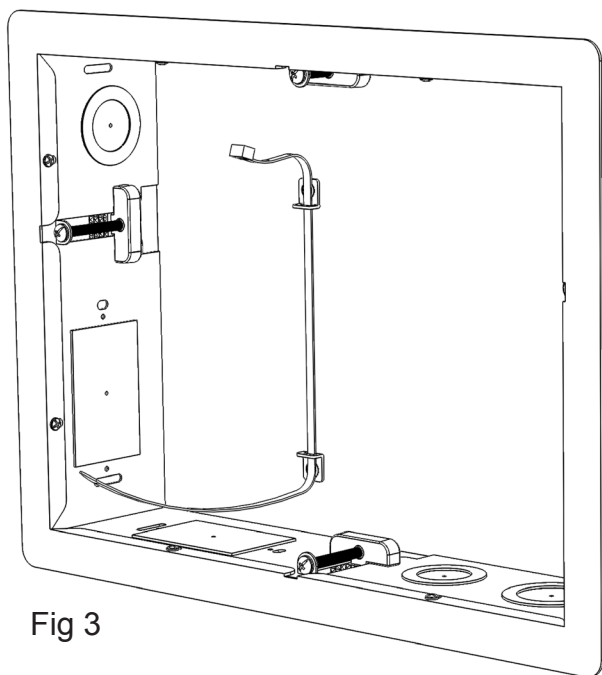


Fig 3

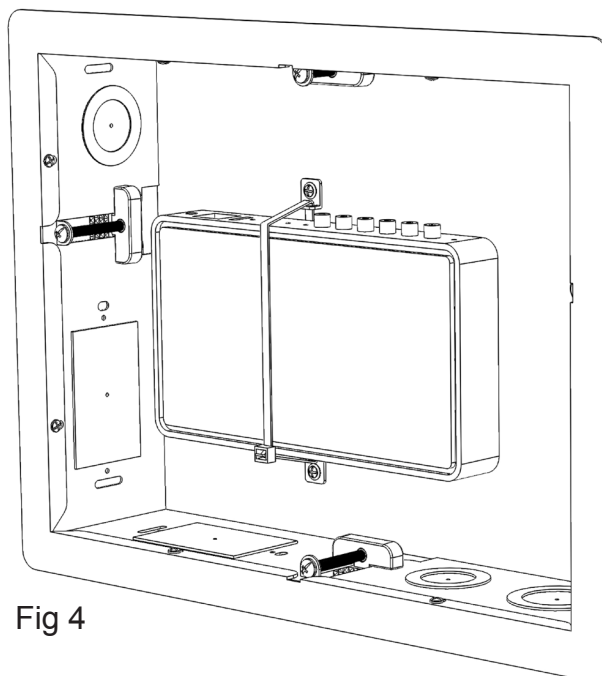


Fig 4

Retrofit Drywall Installation

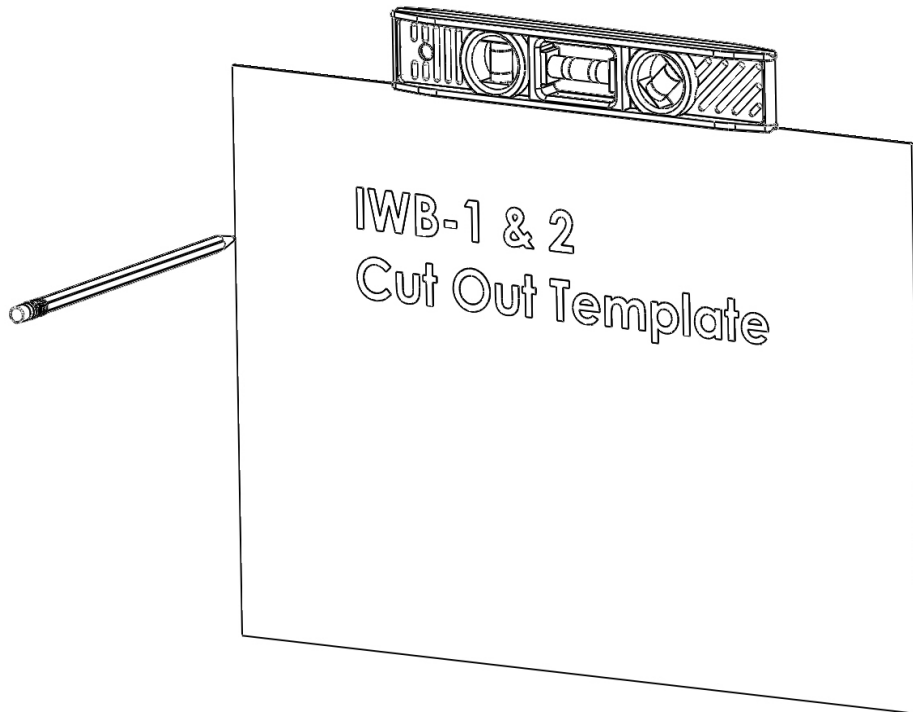
Installation Preparation

Remove punch-outs: It is best to remove any needed punch-outs prior to mounting the enclosure. Remove them by doing the following:

- a. Mount the trim ring: Using the supplied screws, loosely attach the trim ring at all points around the edge. Tighten after all points are attached. Locate the punch-outs that you want to remove.
- b. Remove punch-outs: Locate the punch-outs that you want to use. You will notice that some of the punch-outs are connected at three points, two on one side, one on the other. With a screwdriver or similar object, strike the punch-out on the side connected in one place to break it loose.
- c. After one side is broken loose, bend it back and forth a few more times to break the other side loose.

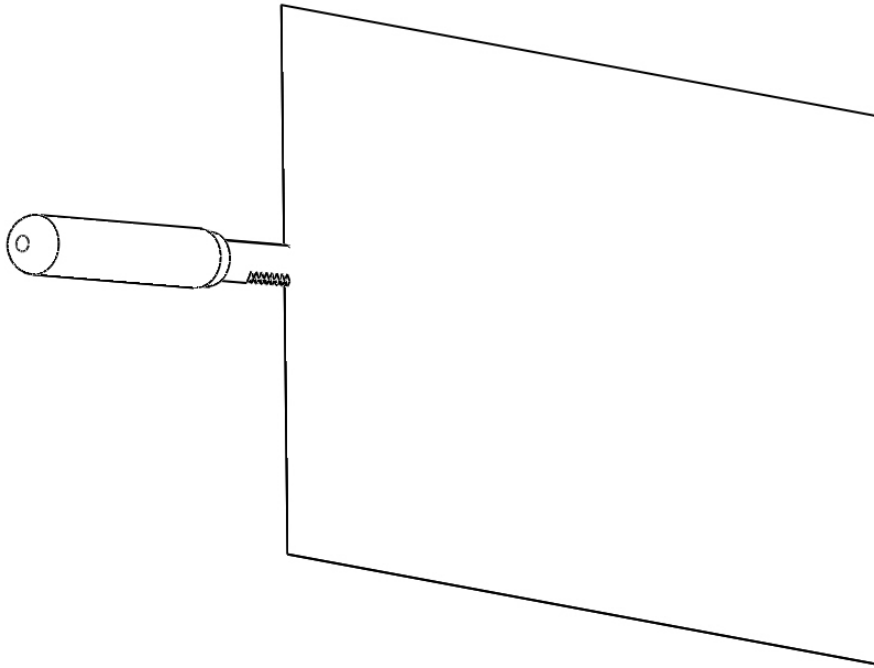
8. Mark Location

- a. Find the location where you would like to install the IWB enclosure.
- b. Using your stud detector, make sure there are no studs in the location.
- c. Place the supplied cut-out template against the wall and use a level.
- d. Use a pencil to draw around the perimeter.



9. Cut The Hole

- a. Using your wall board saw cut on the line, being careful to not hit any existing electrical or plumbing.

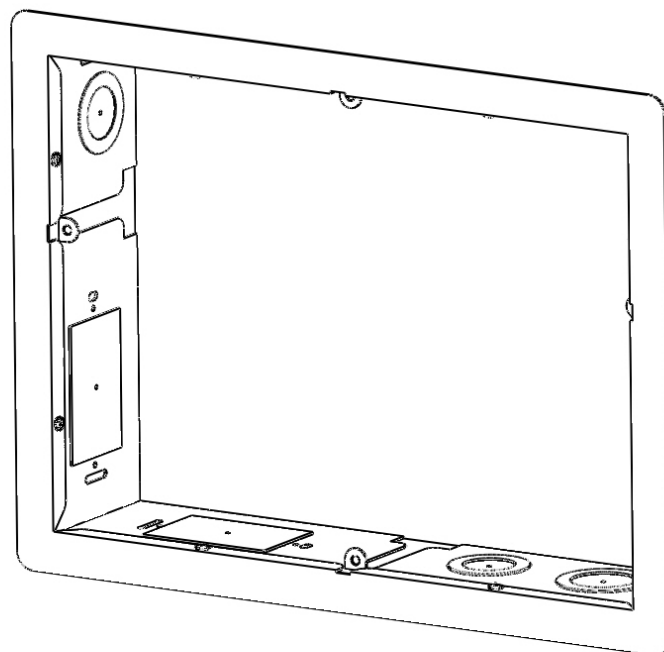


10. Mount the enclosure

- a. Carefully slide the enclosure into the wall cavity, pulling your wires through the punch-out openings you removed earlier. Once the IWB is flush with the surface, secure it in place with the dog ears. Use as many dog ears as possible. See step #5.

11. Finalize the installation

- a. Mount your electrical boxes and trim plates.
- b. Follow steps 5-7 above.



Features and Applications

- Pre-construction or retrofit installation
- Accommodates up to 3/4" thick wall material
- Heavy duty "Dog Ears" install from the inside for easy installation, they don't fall into the wall.
- Removable trim ring.
- Punch-outs to accommodate direct mounting of wall plates to the outer edge.
- Punch-outs for direct wire entry
- Punch-outs for conduit (3/4", 1.00", 1.25" & 1.50")
- Additional locations for your own holes
- Punch-outs for both metal and plastic high-volt boxes.
- Welded steel construction with heavy duty powdercoated finish
- Easy retrofit installation into any 2x4 wall. Fitting into (12" on-center IWB-1) and (10" on-center IWB-2) or larger stud bays, the IWB is as simple as mounting an in-wall speaker.
- 1/2" of clearance behind the enclosure for existing wires. or running new wires.
- Patents Pending

Specifications

- Cut-Out Dimensions: 10.375" x 14.375" (IWB-1), 10.375" x 8.39" (IWB-2)
- Overall Dimensions: 15.76" x 11.76" x 3.51" (IWB-1), 9.78" x 11.76" x 3.51" (IWB-2)
- Construction: 1.1mm steel, powdercoated
- 1.5mm thick outer flange
- Butt welded and smoothed joints

Weight Ratings

- Mounted to one or more studs: 25lbs.
- Mounted to wallboard using only Dog Ears: 10lbs

Warranty

- 5 year limited warranty from date of purchase

Related Items

- CMK-1 Component Mounting Kit

If you have any questions please contact us at the following numbers or e-mail addresses:

Phone: 602-759-9559

Fax: 602-759-9779

E-mail: Help@intuitiveusa.com