



BASIC INSTALLATION GUIDE

hovrsolutions.com/learn
 support@hovrsolutions.com
 (844) 574-2307

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WHAT YOU NEED

INSTALLATION HARDWARE

- 8 x 2 1/2" Pan Head Screws (per 4 ft of bracket)
- 25 x 1 1/4" Pan Head Screws (per 4 ft of bracket)
- 4 x 3/4" Set Screws (per 4 ft of bracket minimum)
- 1 x 3/16" Cobalt Drill Bit
- 1 x Hex Key

BITS REQUIRED

- 17/64" HSS Steel Drill Bit (Set Screw Install)
- 5/16" #18 HSS H3 Tap Bit (Set Screw Install)
- Epoxy Glue (Glue Install)

TOOLS REQUIRED

- Tape Measure
- Electric Drill
- Level
- Stud Finder
- (Router)
- (Table Saw)

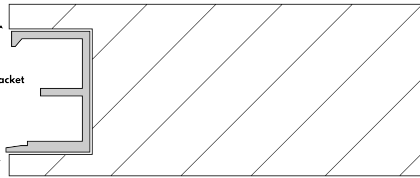
STEP 1 - CREATE CHANNEL

There are 3 methods to create the channel: Hand chisel, router, or, for the professionals, using a dado blade/table saw. The most common method is to router out the back of your shelf to make the room for the female bracket. It is important to note that the bottom of the bracket is .80mm longer than the top. We recommend having the the top of the bracket .40mm (a fingernail) recessed from the shelf & a .40mm overhang for the bottom. This is to allow for the bracket to slightly embed itself into the drywall to prevent any unwanted rocking once installed.

The top edge of the female bracket should be recessed by about .40mm or flush with the shelf

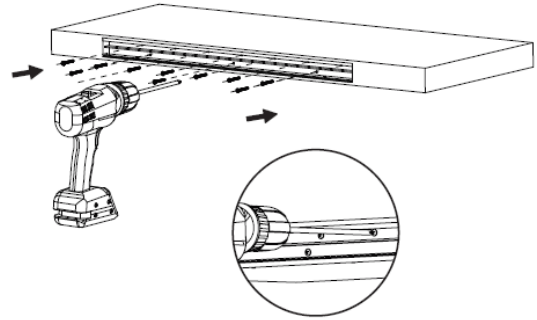
Female Bracket

The bottom edge of the female bracket should extend about .40mm past where the shelf material ends.



STEP 2 - ATTACH FEMALE BRACKET

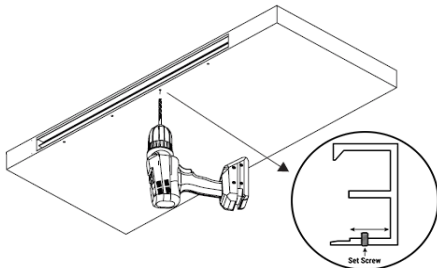
Use the 1 1/4" pan head screws to secure the bracket to your shelf. Please use 1 screw per hole.



STEP 3 - DRILL SET SCREW HOLES

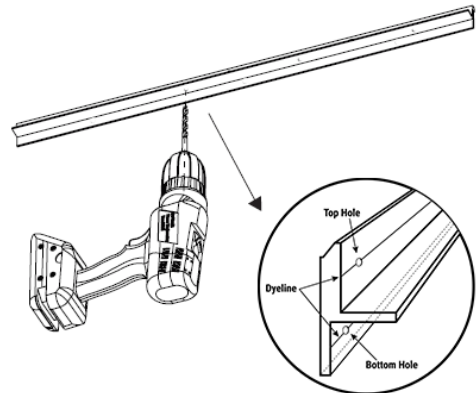
Option 1: You will need to drill & tap the holes in the bottom of the shelf to accommodate the threaded set screws for the bracket that we will be using to secure the two components together towards the end of the installation process.

Option 2: You either can use epoxy glue only to secure both brackets together later in the installation or combine both methods. Epoxy is a more permanent installation.



STEP 4 - PREPARING THE MALE BRACKET

You will need to drill the necessary holes into the male bracket. Please use the 3/16" taper bit. The reason we don't predrill the bracket is due to the vast variety in stud separation in each individual case. It is recommended to find a minimum of 2 studs. Mark your studs on the bracket & **ensure you drill your holes centered on the provided top & bottom dyelines** on the bracket.



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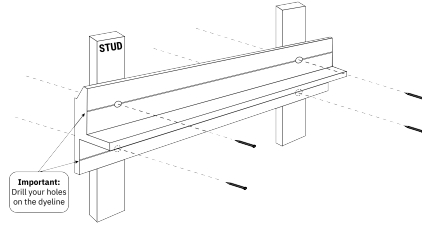
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BASIC INSTALLATION GUIDE

STEP 5 - ATTACH MALE BRACKET TO WALL

When attaching the male bracket to the wall, please use #8 - 2½" long panhead screws. Start by drilling one screw using the top hole but not tightening all the way. Then use a level, make sure the bracket is leveled before drilling your second screw into the other stud. Tighten the screw (but not so much the bracket bends) then go back and tighten the first one. Then screw in the bottom screws in each stud.

It's important to make sure you **do not over-tighten**. One "click" or hand-tight is plenty. If the screws are too tight, it will cause the bracket to bend, compromising the integrity of the Hovr Bracket System.

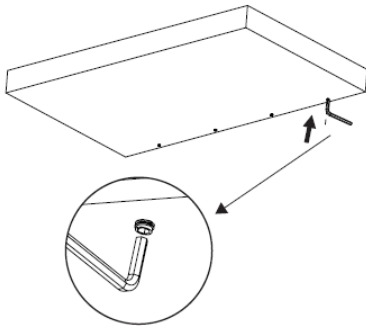


STEP 7 - SECURE BRACKETS TOGETHER

Insert the set screws into the pre-drilled & tapped holes. Screw them in by hand until they are finger tight, and then finish securing them with the provided Allen key. The tighter the better.

Alternatively, there is the method of using Epoxy glue instead of set screws. This will reduce the load the shelf can handle.

Combining both methods together gives the strongest results. You can find out more at hovrsolutions.com/learn.



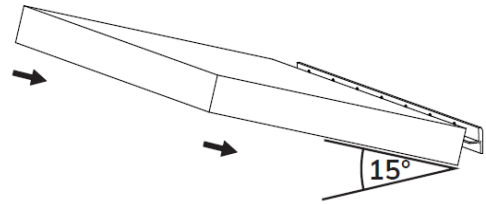
IMPORTANT TIP #1

Please use the specified hardware described in this installation guide. By not using the specific items, you may cause a loss of integrity of the Hovr Bracket System and/or decreased performance.

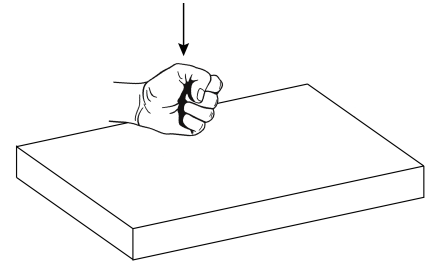
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STEP 6 - COMBINE BOTH BRACKETS

Tilt your shelf downward at a 15° angle to begin engaging the 2 brackets together. Hook the upper part of your female bracket onto the upper part of the male bracket. Once you feel the grooves begin to interlock, pull the shelf down into place and connect the two components.



In the case the brackets are not fully engaged initially, apply 2-3 solid taps at the back of the shelf where the brackets sit. This should cause the brackets to snap fully into place, leaving a level shelf.

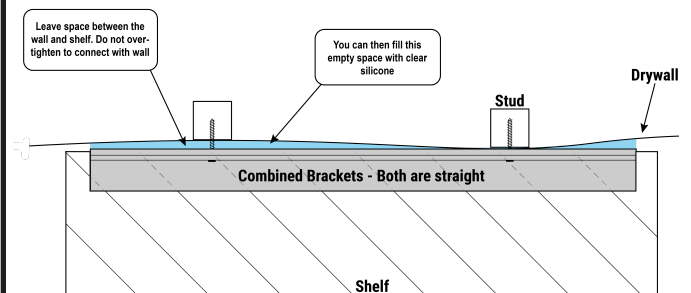


IMPORTANT TIP #2

It is important that the male bracket is flush against the wall. If you bend it, it will fail to engage correctly with the female bracket, resulting in a failed installation.

With that said, not all walls are straight. The female bracket in the shelf is straight, so the male bracket on the wall must be straight as well for them to engage. You can leave up to 1/4 of an inch space between the back of the male bracket & the wall without the integrity or holding capacity being compromised.

There are options here on how to deal with that extra space, all of which you can find in our knowledge base online. For now, see the below diagrams for help on dealing with a bowed wall.



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