

Versatilt mounting bracket for Community's VERIS 2 installation series loudspeakers

The VB-VST mounting kit is specifically designed for the Community VERIS 2 Series to provide a high degree of safety for supporting the cabinet and is highly recommended for mounting these loudspeakers. It has been engineered to fit the four largest enclosures in the VERIS 2 Series (V2-12, V2-15, V2-32 and V2-35). Mounting methods other than those recommended should be carefully considered so that undue strain and possible failure of the mounting points does not occur.

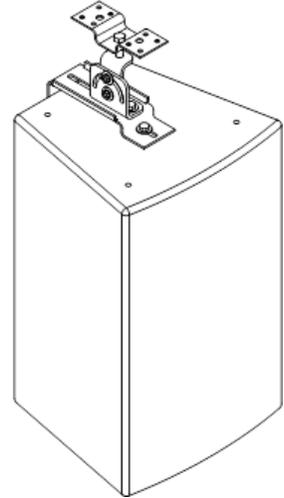
Each VB-VST allows precise installation of a single VERIS 2 full-range loudspeaker from the ceiling. This bracket kit is designed to accommodate a modest vertical downward aiming angle (approximately 5° to 25°) and 360° of horizontal panning.

Once fitted to any of the large VERIS 2 enclosures, the rotational bracket can be positioned at any point along the cabinet bracket to choose the appropriate cabinet vertical down-tilt angle (see chart below for tilt ranges for each cabinet), allowing the cabinet to be flown and aimed depending on the requirements of the installation environment and application.

The VB-VST Versatilt mounting kit is available in black or white finishes to match the color of the enclosure. Bracket parts are made of black or white powder-coated steel.

The hardware used for the attachment must be load-rated for the intended purpose. Also ensure that the structure you are attaching to is capable of supporting the loudspeaker and bracket assembly. This must include any torque load that may be applied to the structure as a result of the loudspeaker position and aiming angle.

Each enclosure rigging point is rated at 100 lbs (45.4 kg) working load limit (WLL) with a 10:1 safety ratio.



VB-VST Parts List

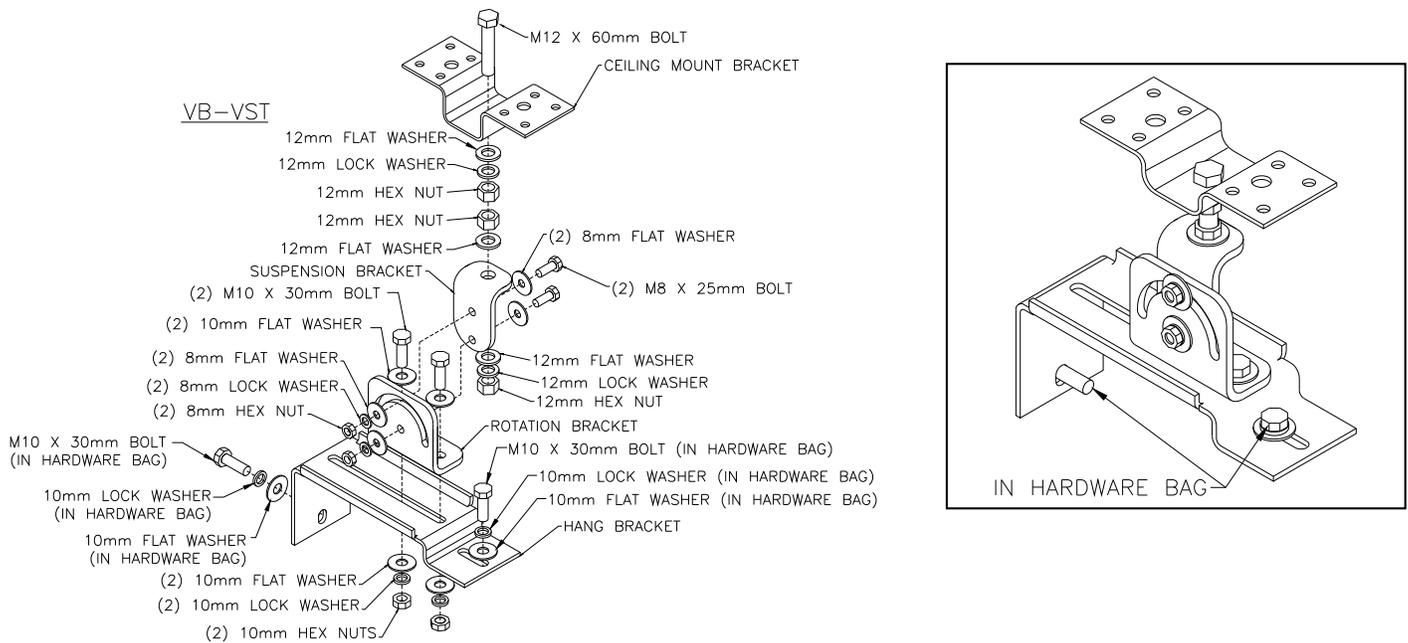
Rotational Bracket (1)	M10 Flat Washer (6)
Suspension Bracket (1)	M10 Split Lock Washer (4)
Ceiling Mount Bracket (1)	M10 Hex Nut (2)
Cabinet Hang Bracket (1)	M10 35mm Shoulder Eyebolt
M12 60mm Full Thread Bolt (1)	M8 25mm Bolt (2)
M12 Hex Nut (3)	M8 Flat Washer (4)
M12 Flat Washer (3)	M8 Split Lock Washer (2)
M12 Split Lock Washer (2)	M8 Hex Nut (2)
M10 30mm Bolt (4)	

The installer must supply all other hardware for the installation.

VB-VST Versatilt Kit Assembly Instructions

- 1.) The VB-VST comes assembled from the Community Factory with the hardware finger-tight; there is no need to assemble most individual parts. The nuts and bolts must be tightened to their final torque settings in the specific order called out in the instruction below to avoid improper installation, injury, or even death.
- 2.) Attach the Cabinet Hang Bracket to the cabinet using the supplied M10 hardware; it will be the only loose hardware in the kit shipping box. The bracket may be attached to the top or bottom of the cabinet to accommodate a HF horn on top or HF horn on bottom application.
- 3.) Remove the factory supplied flat-head Allen screw from the center rigging point on the end of the cabinet that will face upward.
- 4.) Remove the factory supplied flat-head Allen screw from the rear rigging point (near the top / bottom panel) on the same end of the enclosure.
- 5.) Position the Cabinet Hang Bracket so that its front and rear mounting slots align with the two exposed rigging points on the cabinet.
- 6.) Install an M10 split lock washer and flat washer onto the M10 x 30mm bolts, then install the bolts (with washers) through the slots on the Cabinet Hang Bracket and into the cabinet rigging points. Tighten until snug. Do not overtighten!

Figure 1: VB-VST Assembly



VB-VST Versatilt Kit Application and Aiming Instructions



WARNING: The recommended application of the VB-VST requires that the loudspeakers center of gravity (COG) be located directly under and in alignment with the center suspension point of the Ceiling Mount Bracket (see Figure 2.) This method of mounting is intended to minimize any torque load placed on the structural attachment point(s) and also reduce torque within the VB-VST assembly that could otherwise cause the aiming angle to change over time due to the forces of gravity. The following instructions and angle adjustment ranges are written taking into account this COG restriction.

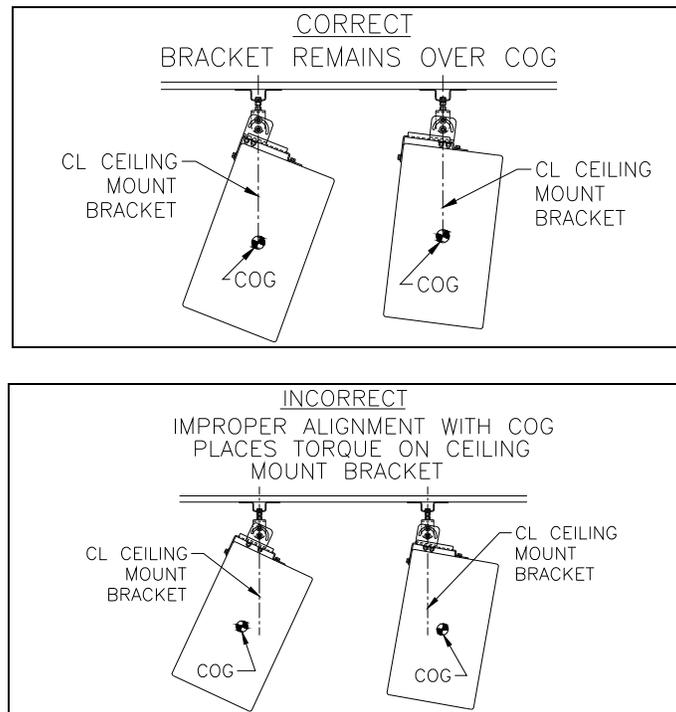
Loudspeaker Aiming

- 1.) Tighten the upper and lower 12mm Hex Nuts that join the 12mm Bolt to the Suspension Bracket.
- 2.) Temporarily loosen the 12mm Hex Nut that joins the 12mm Bolt to the Ceiling Mount Bracket. For the time being, this bolt should be able to pan and swing slightly. This nut needs to be loose to assure that the COG of the assembly is properly aligned.
- 3.) Adjust the tension of the 8mm Bolts that join the Suspension Bracket to the Rotation Bracket. Make sure that the rotation bracket can rotate freely with minimal force applied. With the speaker attached to the bracket assembly, the Suspension Bracket should be able to rotate freely to locate the center of gravity of the loudspeaker / bracket assembly.
- 4.) Adjust the tension of the 10mm Bolts that join the Suspension Bracket to the Hang Bracket so that the Suspension Bracket can move freely within the slot on the Hang Bracket.
- 5.) Move the Suspension Bracket forward or backwards within the slot on the Hang Bracket until the speaker is hanging at the desired downward tilt angle; use the angle label on the Rotation Bracket as a rough guide. To set an exact angle, the use of an inclinometer or laser level (to aim at a specific point) is recommended.
- 6.) Check to make sure that the Suspension Bracket has rotated properly to allow the assembly's COG to be aligned with the center mounting point in the Ceiling Bracket.

How will I know if it is aligned with the COG? Once properly aligned over the COG, the 12mm bolt will be perpendicular to the Ceiling Bracket and the head of the bolt will make contact with the upper side Ceiling Bracket around its entire circumference (essentially, it will lay flat).

- 7.) Once the proper alignment is verified, tighten the 10mm Bolts that join the Suspension Bracket to the Hang Bracket,
- 8.) Tighten the 8mm Bolts that join the Suspension Bracket to the Rotation Bracket.
- 9.) Pan the assembly in the horizontal plane until it is facing the desired direction, and then tighten the 12mm Hex Nut that fastens the 12mm Bolt to the Ceiling Mount Bracket to lock the horizontal position into place.

Figure 2: Recommended COG Alignment



Vertical Down Tilt Ranges

NOTE: The down tilt aiming angle range varies between the different sized cabinets. The following illustration and chart indicates the minimum / maximum guaranteed angles possible with the rotational assembly positioned at the approximate limitations of its physical travel within the Hang Bracket's adjustment slot. To find an exact aiming angle, use the included angle indication label on the Rotation Bracket, an inclinometer, or laser level.

	Vertical Tilt in Degrees	
	Rotation Bracket at Position A (Minimum Allowable Tilt)	Rotation Bracket at Position B (Maximum Allowable Tilt)
Veris 12	4	26
Veris 15	8	26
Veris 32	7	24
Veris 35	6	22

Note: Angles are approximate and for reference only

Figure 3: VB-VST Vertical Downtilt Ranges

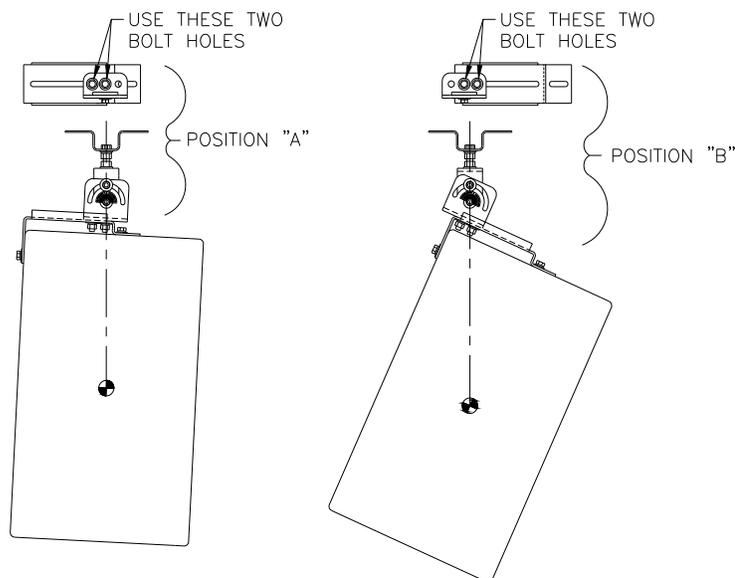


Figure 4: VB-VST Kit Assembly Dimensions

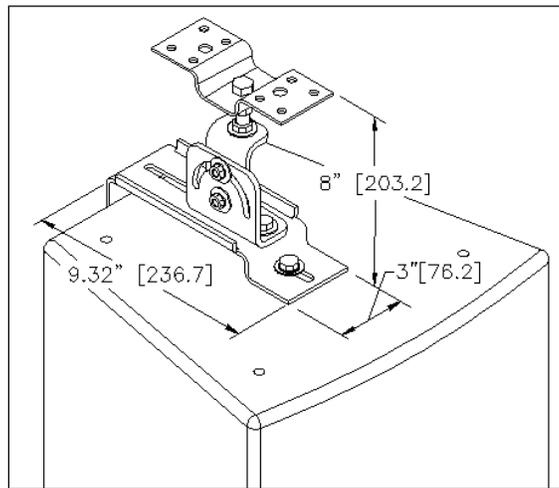
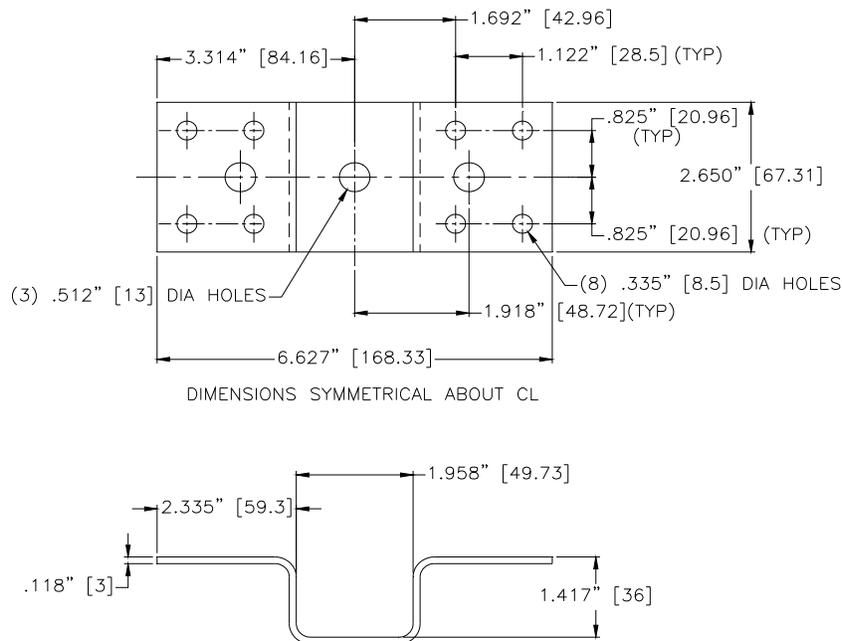


Figure 5: VB-VST Ceiling Mount Bracket Dimensions



Safety Cable



It is strongly recommended that a safety cable be attached to the loudspeaker using one of the remaining loudspeaker enclosure rigging points. A 10mm Shoulder Eyebolt is included in the kit for this purpose.

CAUTION: Installation of loudspeakers should only be performed by trained and qualified personnel. It is strongly recommended that a licensed and certified professional structural engineer approve the mounting design.