

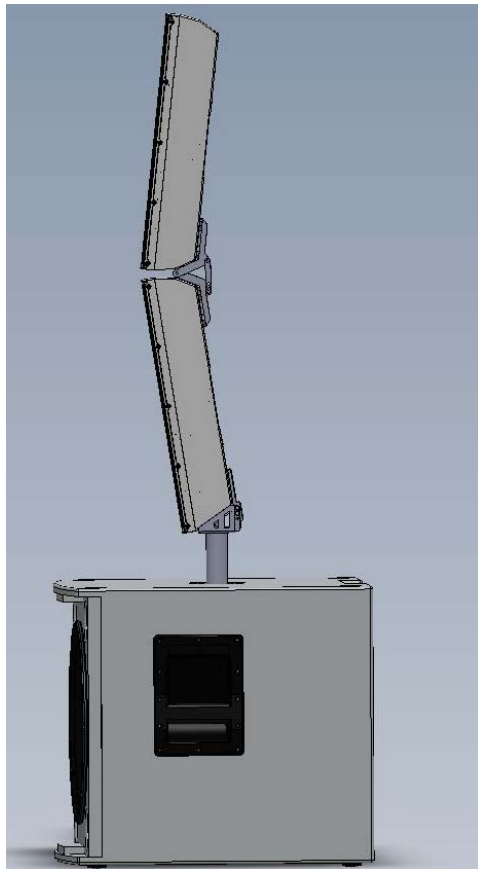


**onpointaudio®**

ACOUSTIC EXCELLENCE®

# OPALine-82 Coupling Bracket PSA-82 Installation Guide

January 2015



The PSA-82 is used to mount one (1) or more OPALine-82 enclosures to an OPA-151SA subwoofer.

The On Point Audio PSA-82 is an easy to install and flexible system designed to allow a maximum of two OPALine-82 loudspeaker enclosures to be mounted on top of an OPA-151SA powered subwoofer. Either a single OPALine-82 may be mounted or, in conjunction with the TBEC-82 a maximum of two may be mounted. The image shown above shows two OPALine-82 enclosures. The only product approved for use with the PSA-82 is the OPALine-82. **NO** other products may be substituted!

**NOTE:** The PSA-82 may be used with the OPA-151SA powered subwoofer **ONLY!** **DO NOT SUBSTITUTE OTHER PRODUCTS!** The PSA-82 was designed to couple a **MAXIMUM** of two OPALine-82 enclosures **ONLY!** **DO NOT ATTEMPT TO USE MULTIPLE TBEC-82 COUPLING BRACKETS TO JOIN MORE THAN TWO OPALINE-82 ENCLOSURES TOGETHER, AS THE OVERALL HEIGHT WHEN MOUNTED ON THE OPA-151SA WILL NO LONGER BE STABLE OR SAFE!**

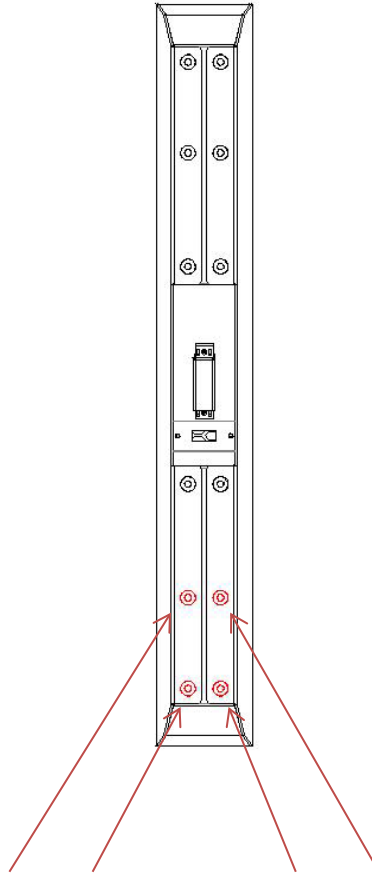
The OPALine-82 enclosures and the TBEC-82 are for **INDOOR** use only! **DO NOT USE IN OUTDOOR ENVIRONMENTS!** The PSA-82 installation manual may be found at [www.onpointaudio.com](http://www.onpointaudio.com) in the “Related Documents” section of the home page.

The following actions **MUST** be performed **PRIOR** to beginning the installation of the PSA-82, the OPALine-82 enclosure, and the OPA-151SA enclosure:

1. This installation guide must be completely read and understood.
2. The instruction manual “Rigging and Suspension of On Point Audio Products” must be read and understood. This instruction manual is available along with other technical papers at [www.onpointaudio.com](http://www.onpointaudio.com).

# INSTALLATION

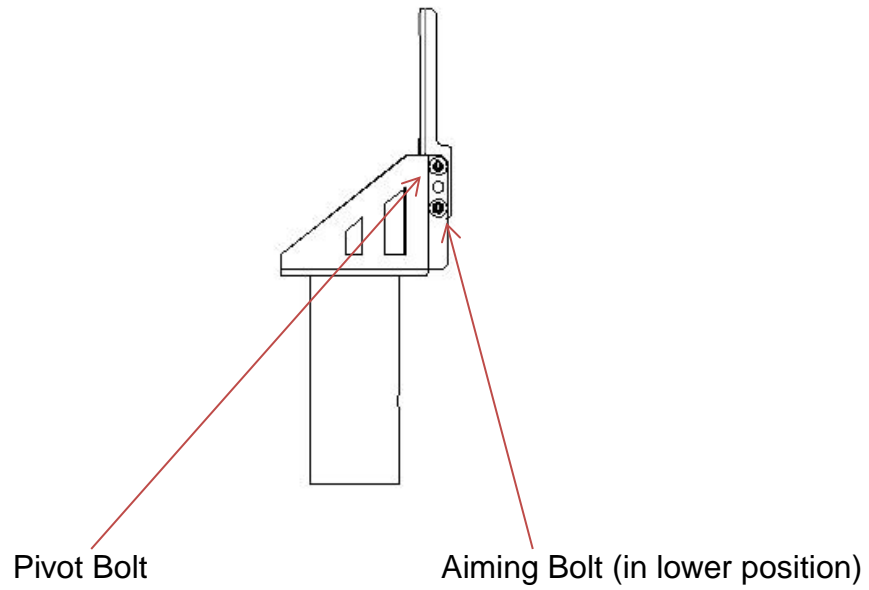
The first step is to mount the OPALine-82 to the PSA-82 bracket. The ONLY approved location to mount the PSA-82 to an OPALine-82 enclosure is shown below in red. The four (4) locations at the bottom of the enclosure must be used to mount the PSA-82 bracket. NO OTHER locations are approved!



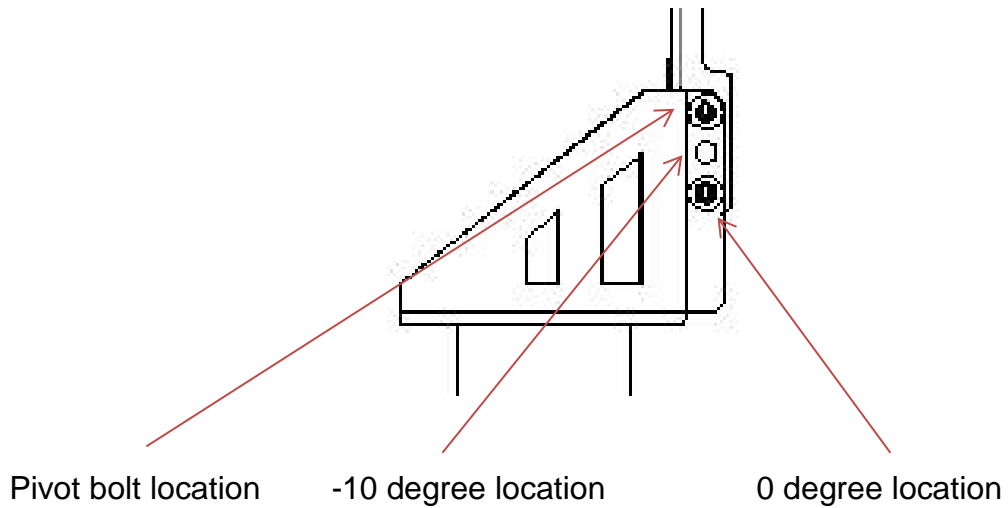
This image shows the ONLY approved mounting locations

The PSA-82 MUST be configured in its “0” degree, vertical orientation BEFORE the OPALine-82 enclosure is mounted. The Pivot bolt and Aiming bolt are shown below in red. DO NOT attempt to mount the OPALine-82 until the PSA-82 is in its proper position.

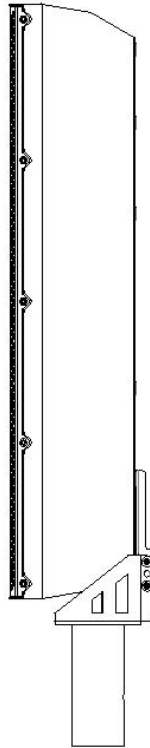
The Aiming bolt must be removed and inserted in the “0” degree position. DO NOT remove the Pivot bolt! The 0 degree position is shown below. The Pivot bolt is the top most bolt. The next hole is the -10 degree position. The BOTTOM hole is the 0 degree position. The BOTTOM location must be used during the installation process!



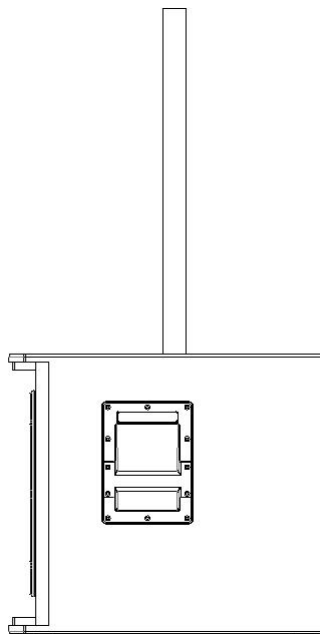
An enlarged image is shown below illustrating the pivot bolt an the two aiming angles



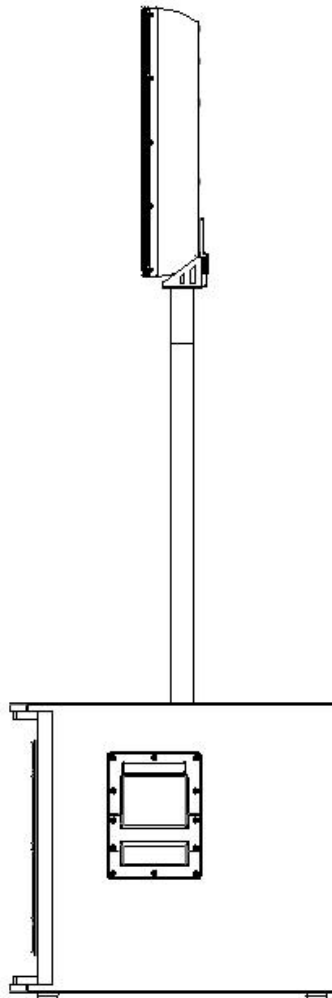
The PSA-82 should be mounted using the supplied M5 bolts, flat washers, and lock washers. DO NOT substitute any other fasteners! The sub assembly is shown below.



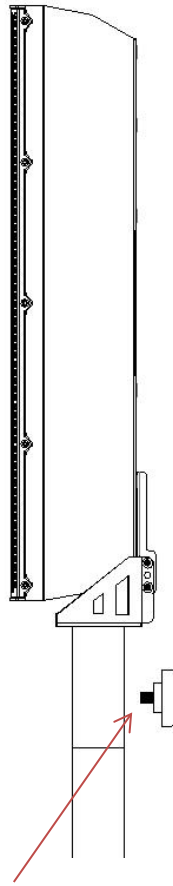
The second step is to mount the appropriate loudspeaker pole to the OPA-151SA subwoofer enclosure. The OPA-P1 pole is used when a single OPALine-82 is mounted on the PSA-82 bracket. The OPA-P2 pole is used when two OPALine-82 enclosures are mounted (using the TBEC-82 coupling bracket). The image below shows the OPA-151SA with an OPA-P1 pole mounted.



The third step is to carefully position the PSA-82 and OPALine-82 assembly on top of the P1 (or P2) pole as shown below. **Care MUST be exercised when placing the PSA-82 and OPALine-82 assembly on top of the pole. This should be performed by TWO people. One should stabilize the OPA-151SA subwoofer and pole assembly, while the second person places the PSA-82 and OPALine -82 assembly in place as shown below.**



Next the threaded knob assembly must be inserted into the side hole of the PSA-82, as shown below. The threaded knob must be tightened in achieve a secure connection between the PSA-82 and the loudspeaker pole.



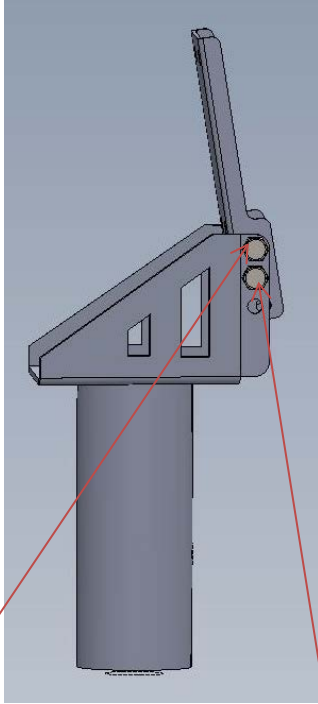
The Threaded Knob assembly must be inserted in the PSA-82 hole and tightened

The PSA-82 offers two aiming angles for mounting one or two OPALine-82 enclosures on top of the OPA 151SA subwoofer. There are two possible angles available. The aiming angles are adjusted by selecting the proper slot as shown below. The image below shows the PSA-82 with the Aiming bolt inserted in the 10 degree down tilt position.

Now the PSA-82 down tilt angle may be set. **DO not remove the Pivot bolt. The Pivot bolt is the topmost bolt and should NOT be removed! The down tilt angle may be set by removing the Aiming bolt ONLY! This operation should be performed by TWO (2) people. One person should support the OPALine-82 enclosures while the second person removes the Aiming bolt.** The desired down tilt angle should be set (either 0 degrees or -10 degrees) and the Aiming bolt re-inserted in the proper hole. Then the M5 Aiming bolt should be tightened using the supplied flat washer and nylon insert nut. **DO NOT** substitute any fasteners.

The location immediately below the Pivot bolt location is the -10 degree location. The bottom location is the 0 degree location. The image below show a bolt in the Pivot location and a bolt in the -10 degree location.

Then BOTH the Pivot bolt and Aiming bolt should be tightened and verified.

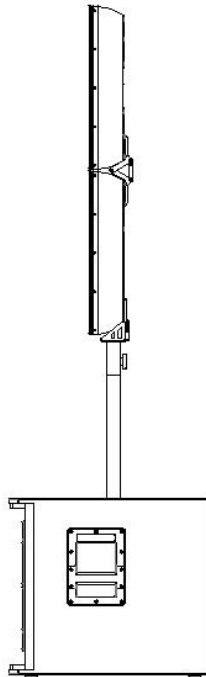


Pivot bolt

Aiming bolt in -10 degree location

As noted, two OPALine-82 enclosures may be mounted on top of an OPA-151SA using the PSA-82 in conjunction with the TBEC-82 coupling bracket. A typical configuration is shown below.





OPA-151SA with PSA-82, TBEC coupling bracket and 2 OPALine-82 enclosures

**The products referenced in this manual are in conformity with the following standards or other normative documents: Machinery Directive 2006/42/EC**

© 2015 On Point Audio  
One Systems, Inc.

Nashville, TN U.S.A.

[www.onpointaudio.com](http://www.onpointaudio.com)  
[www.onesystems.com](http://www.onesystems.com)