



SHUN MOOK ACOUSTICS, INC.

PMB #310, 360 Grand Avenue • Oakland, CA 94610 USA • Tel. 510 839 6857 • Fax. 510 839 0080

CONCERT HALL ACOUSTIC RESONATORS AR 7 - INSTALLATION

ASSEMBLY :- Requires 1/2" size box or socket wrench USA standard.

Assemble AR7 to the maple base unit through the hole in the solid maple base block. A 1/2" wrench is required to attach the 5/16" nut with the washer. Do not over tighten as it may pull out the stud and strip the threads. A gentle hand tightening of the wrench is good enough. All ARs are designed with a slight curve (Bow) and not perfectly straight. This effect is achieved with application of different layers of natural lacquer in the front and back so that the back shrinks a little more than the front and hence the bow. This slight bow is actually a desired effect of the AR giving a more radiant pattern of the resonance of the sound. See attached diagram.

INITIAL PLACEMENT:-

Place the seven (or Five) AR units as shown on the installation plan. One is placed at the center of the wall behind the speakers facing the room. Two ARs are placed at the corner of the room behind the loudspeakers. Next a pair of ARs is placed near the speaker at opposite sides of the sidewall within the quarter reflection points of the room. This pair will need fine tuning later.

For a five AR installation the pair at the corner behind the speaker is not used. Sometimes you can interchange the pair in line with the listener's ear and place them at the corners (behind speakers).

The third pair is placed in line with the listener's ear. In larger rooms an optional 4th pair should be deployed at the corners behind the listener. If the room has one or two open walls to other space the ARs will behave and act as an acoustic wall to confine the music within its parameters.

FINE TUNING:-

Once the initial set up is done you will be readily surprised when you start listening. Immediately you will notice the fullness and natural tonal richness of the music. There is an increased sense of width and depth, stretching beyond the walls with a 3-D hall effect. You will hear smooth and natural fullness of the music just like being live in a concert hall.

Now we start to fine-tune the pair next to the loudspeaker. By moving the ARs in and out towards the center of the room you can increase the focus or width the sound stage, but only move it slightly about 1/4" (1 cm) at a time. Bringing the ARs forward to the listener the sound stage will be more up front. The sound is more upfront with tight.

Similarly pushing the ARs away the sound stage will follow and you will hear a wider sound with more bloom. You can mark different spots for different type of music you are playing. The ARs can be easily moved around.

Now we can adjust the center AR (on wall behind speakers). Normal position is to place as close to the wall as possible. One can pull out the AR if a more focus and forward sound is desired, mostly when listening to a vocal.



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For users who cannot place the center AR behind the speaker due to equipment, AV screen or anything other furniture, the AR can be placed behind the listener facing the back of the head. Place it as far as space allows. Larger rooms a 4th pair can go at the corners and thus giving a full hall effect of sound.

Do NOT use vacuum cleaner to the clean the slots of the AR, just dusting off is good enough.

PENDULUM ON ARs:-

Additional Shun Mook dowsing pendulums can be installed on all ARs. Install the pendulum hanger stick on the top of the AR. Adjust the stick so that it is protruding about 1.5 to 2 feet from the hanger. Thread the red string of the pendulum and suspend it about 12 inches from the stick.

TUNING THE PENDULUM:-

The main purpose of the pendulum is to increase the 3-D and live like effect of the sound. Raising the height of the pendulum increases the bloom of the music with more highs. Lowering the pendulum you get more bass information and more solid sound.

Further more if pairs of the pendulum are swung forward to the listener the sound stage will come up front. If the pendulum is push or swung away, the sound stage will follow. But all this time you do not loose the 3-D effect.

Additional pendulums could be used in the center both front and back of the listener. You have almost many settings you can adjust or you just leave it alone and enjoy the music.

PENDULUM INSTALLATION IN NON AR ROOMS:-

In a room using only Shun Mook Spatial Control treatment the placement of the multiple pendulums are as shown on the listening room plan. The pendulum hanger will fit to the dowel on top of the spatial control stand or it will be on its own maple wood stand.

You can use from one to as many as 9 to 11 pendulums in one room. Most of the time a set of 5 to 7 pendulum is more then enough to do the job. Fine-tuning of pendulum is the same in the above section "tuning the pendulum"

Other application of the pendulum is listed on a separate instruction sheet for dowsing and energy sensing usage.

No special maintenance is required for the pendulum, just use a fine furniture oil (not wax) to lubricate the ebony every few months or so. Dry climate or winter-heated room should use oil more often.



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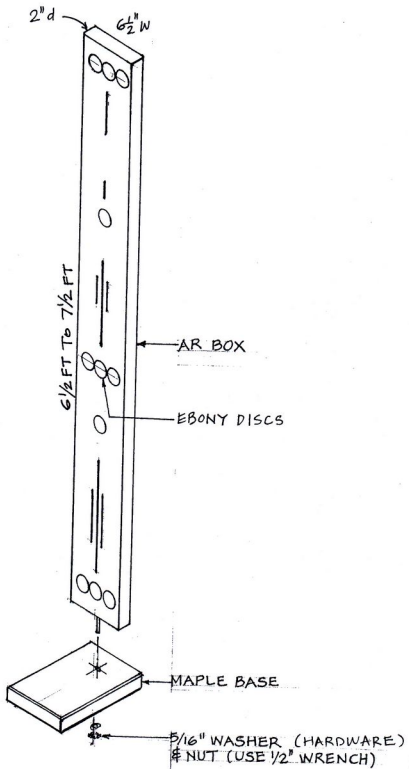
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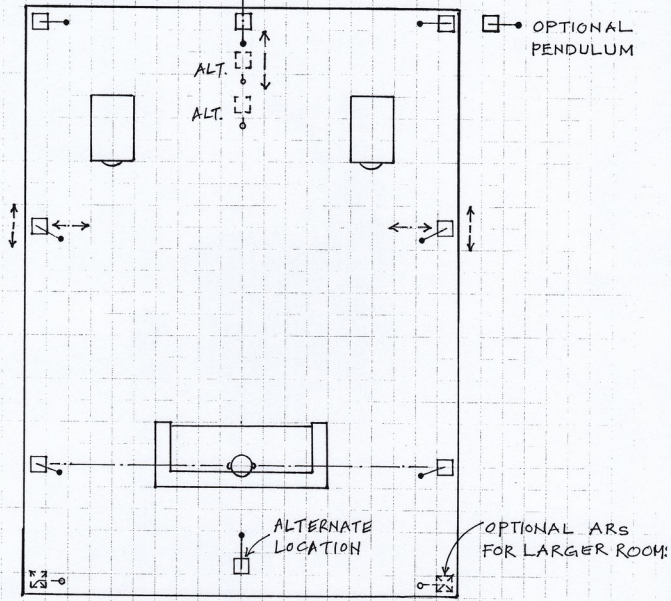
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□ AR INITIAL PLACEMENT.

◻ AR POSITIONS AFTER TUNING

←→ FINE TUNING MOVEMENTS, 1 OR 2 CM EACH TIME.



SHUN MOOK ACOUSTICS INC. CONCERT HALL ACOUSTIC RESONATORS - AR6 JUNE 2008	BILL YING	AR6
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