

## **INSTALLATION INSTRUCTIONS FOR THE SOUND DAMPENING OF THE LIAN LI PC-B25FB**

This chassis has already been equipped with sound dampening materials on all major interior areas to reduce the overall noise level of all components installed. The areas include both side panels, the front and middle flooring as well as the lower back area. On top of that, four additional loose, pre-cut mats have been included, which you may install in the appropriate locations if needed. This installation should be done before assembly of the system so that all areas may be easily reached.

Every case opening allows for sound to exit the chassis, which in turn increases the perceived noise level. Thus, covering more areas of the case also reduces this noise. On the other hand, coving air vents and openings will also reduce the amount of cooling the chassis is capable of.

It depends on your personal requirements and the system components (power vs. efficient system, air vs. water cooling, silent vs. performance cooling), to what degree you choose to seal off the system. The pre-applied dampening material does not restrict air flow. All factory supplied fans are still installed and the mesh front as well as the top cover are not sealed. The additional, included dampening parts may be used in these areas.

**NOTICE:** Place all parts in the appropriate areas before peeling of the protective foil to make sure that you are applying the right piece to the right part of the chassis interior. When placing a large piece peel off a small strip of the protective foil first - preferably parallel to the outer edge of the dampening material to allow for an exact alignment. Once that has been done, the rest of the piece may be secured inside the case.

Two dampening mats are included for the front area. The upper part should be used in every scenario. We have not pre-applied this piece, as you may shorten it if you choose to install components into the top 5.25 inch slot. If you do not plan to do so, the included mat will fit without further adjustment. The mat may be installed as a whole, covering all drive bays or divided up to seal off each bay separately. We suggest that you apply it as a whole to reduce the total amount of openings in the chassis.

The last three parts are intended to be placed on the inside of the front, rear and ceiling air vents. To do so, the included fans have to be removed. The ceiling material may be installed inside the chassis (most effective dampening) or in the hollow part between the frame and the top cover. You may also choose to cover only a single ceiling opening and still use a fan on the other.

These three mats should only be installed, if there required cooling for the components is low and you have chosen to install efficient hardware. Otherwise, covering all openings may cause the overheating due to lack of ventilation.

You may decide to go for the minimal or maximum degree of dampening in terms of cooling. Most hardware configurations require only two fans, one of which should pull fresh air through the front, while the other should push hot air out the rear or top of the chassis. To allow the latter configuration, the supplied dampening material for the ceiling of the fan needs to be cut down to size to allow for the fan to remain within the system.

Dampening the chassis is only one aspect for a truly silent system. In addition to such materials and the use of anti-vibration mounting for the drives, PSU and expansion cards, one should also adjust the speed of the included fan speed if needed.

Caseking wishes you all the best for the retrofit and hopes you enjoy your quiet system.