

# HERZAN SILENCER

## DESKTOP ACOUSTIC ENCLOSURE

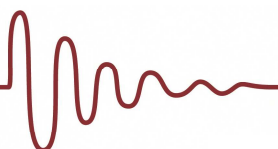
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### - USER GUIDE -

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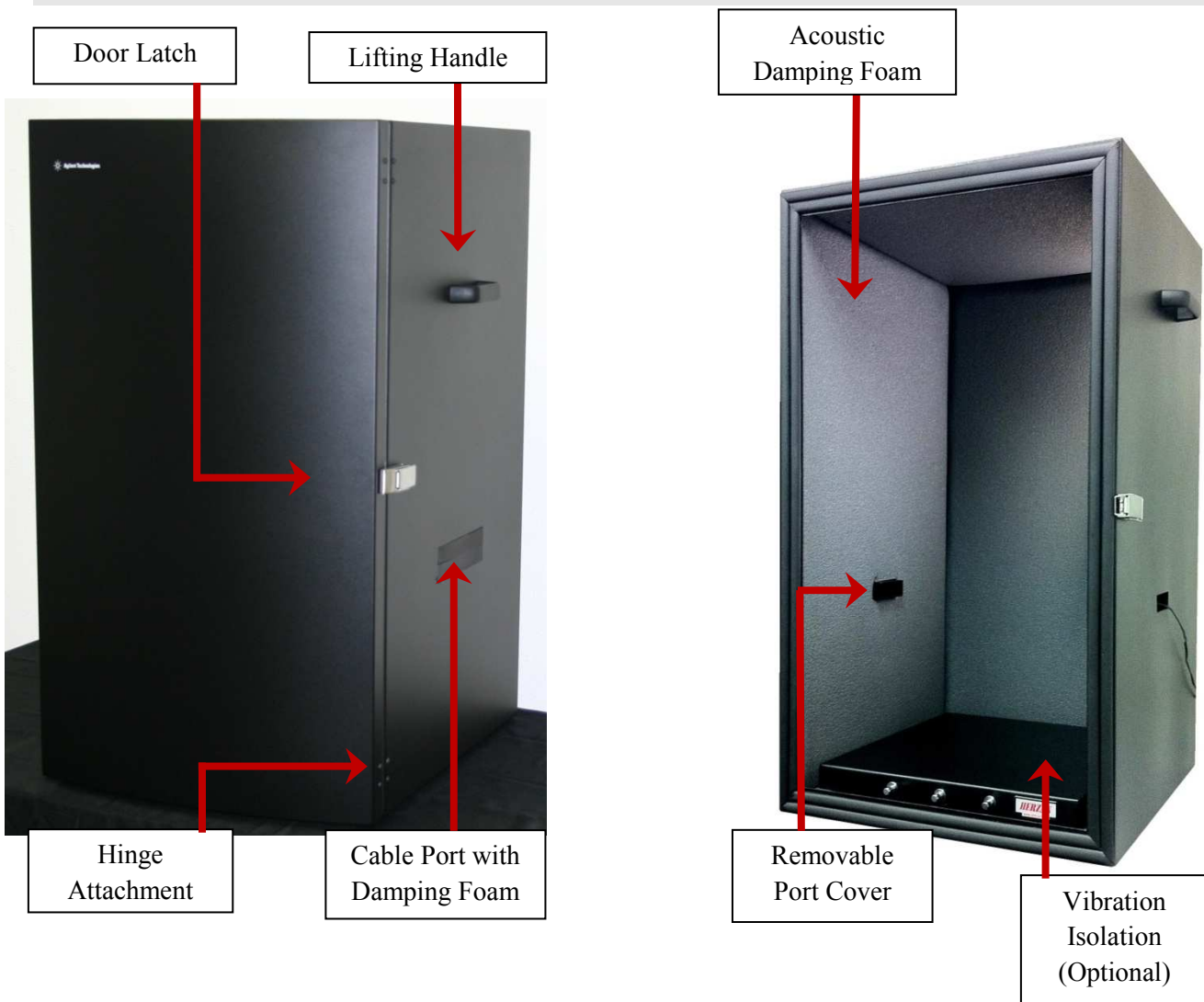
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### Description

This User Guide describes how to use the Herzan Silencer acoustic enclosure. This desktop enclosure provides acoustic isolation for the instrument with multiple layers of sound-damping materials. The system is designed to be accessed from either the left or right side – both the door and cable ports are reversible.

### Features



## Contents

- ◆ Desktop Enclosure
- ◆ Removable Cable Port Cover
- ◆ Cable Port Damping Foam

### Accessory

- ◆ 2.5 mm Hex Wrench

## Unpacking the System

1. Remove top of large box. Remove box's outer walls. Remove enclosure from packing bag. **IMPORTANT:** Save all packing materials for subsequent use.
2. Place enclosure on rigid desk or table. **CAUTION:** Enclosure is heavy, two people should lift using handles on side. **NOTE:** Do not support enclosure weight with the door, as doing so can adversely affect the door's alignment.

Disengage latch and open enclosure door. Remove accessory wrench.

## Switching Door Orientation

1. The door can be hinged on the right or left side, depending on which orientation is preferable for continued use. The switch can be easily accomplished using the 2.5 mm hex wrench provided in the accessory bag. Remove the hex wrench from the accessory bag.
2. Use wrench to detach fill screws from door and body of enclosure. There are twelve fill screws total. Keep fill screws for subsequent reattachment
3. Use wrench to detach latch attachment screws. Note orientation of latch parts. Keep screws and latch parts for subsequent reattachment.
4. Support weight of enclosure door from below. Use wrench to detach screws which attach the hinge to the enclosure body. Remove door.

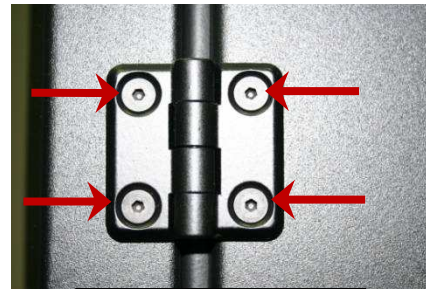


Fill Screws



Latch Attachment  
Screws

5. Use wrench to detach hinges from door. Use wrench to attach hinges to enclosure body on opposite side.
6. Put enclosure door back into place and support weight from below. Use wrench to attach hinge to door.
7. Use wrench to reattach door latch. Use wrench to reattach fill screws.



Hinge Attachment  
Screws

## Install Instrument

At this point, install the instrument to be used inside the enclosure. Please refer to instrument manual for instructions on installing instrument.

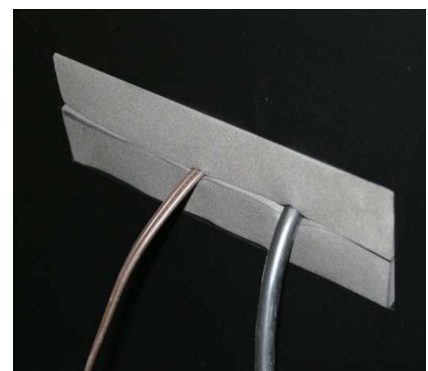
## Cable Management



Removable Port Cover



Step 3 Detail



Cables Installed

1. There are cable ports on both sides of the enclosure. Upon installing instrument, decide which side of the enclosure the instrument cables should be ported through. If necessary, remove port cover and place in port which will not be used.
2. Remove damping foam from cable port to be used. Feed instrument cables out through port.
3. Outside of enclosure, compress two pieces of damping foam around cables. Push foam and cables into cable port (see picture above). Adjust as necessary to ensure a good seal around the cables.

## Maintenance

- ◆ The enclosure can be cleaned using general cleaning agents and a soft cloth. Do not use abrasive cleaning materials as it may degrade the paint.
- ◆ Keep enclosure door closed and latched when the enclosure is not in use to avoid undue strain on hinges.
- ◆ Contact Herzan for replacement parts.

## Best Practices

- ◆ When choosing a location for the enclosure, avoid rooms in close proximity to noise-generating machines, such as production machines, large HVAC systems, or elevator shafts. If possible, choose a room on the ground floor. Avoid rooms with raised floors.
- ◆ Avoid places within the room that are near open doors, open windows, HVAC ducts, and high foot traffic areas. To reduce overall vibration levels, place the enclosure near a load-bearing wall.
- ◆ Place the enclosure on a rigid table or desk. Tables or desks which lack rigidity may impart additional noise into the system.
- ◆ Don't place noise-generating equipment such as CPUs or pumps on the enclosure or on the supporting table. If possible, place noise-generating equipment in a separate room.
- ◆ Cables entering the enclosure should be slack. Stiff cables transmit parasitic vibrations. If the cables connect to noise-generating equipment, weight should be added to cables to dampen transmission of noise.
- ◆ Before beginning sensitive measurements, close and latch the enclosure door.

## Upgrades

There are a number of upgrades available to improve the performance and usability of your enclosure. Please contact Herzan to learn more. Upgrades include:

- ◆ Air-based vibration isolation
- ◆ Active vibration cancellation
- ◆ Electromagnetic interference shielding





- ◆ Temperature stability
- ◆ Internal lighting
- ◆ Custom cable management solutions
- ◆ Shelves and custom mounting options

## Feedback

Herzan welcomes your feedback! Please let us know what we can do to improve our products. You can reach us at [feedback@herzan.com](mailto:feedback@herzan.com) or (949) 363-2905. We look forward to hearing from you!

