

Dayton Audio DAEX25

Dayton Audio DAEX25 Audio Exciter Pair User Manual

Model: DAEX25 | Brand: Dayton Audio

1. INTRODUCTION

The Dayton Audio DAEX25 Sound Exciters are designed to transform virtually any solid object into an audio speaker. By vibrating the surface at speeds of up to 20,000 cycles per second, these transducers allow for creative and discreet audio solutions, turning furniture, walls, or other suitable materials into sound-producing surfaces. This manual provides essential information for the proper setup, operation, and maintenance of your DAEX25 exciters.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- Dayton Audio DAEX25 Audio Exciter Pair (2 units)
- Strong 3M adhesive pads (pre-attached or included for attachment)

3. PRODUCT OVERVIEW

The DAEX25 exciters are compact audio transducers designed for surface mounting. Each exciter features a robust construction with integrated terminals for audio signal connection and a pre-applied 3M adhesive pad for secure attachment to various surfaces.



Image 3.1: The Dayton Audio DAEX25 Audio Exciter Pair. These black, circular exciters feature a unique three-arm mounting bracket and are designed to convert surfaces into speakers.

Key features of the DAEX25 include:

- **Surface-Mount Design:** Easily attach to various materials using the integrated 3M adhesive.
- **Wideband Frequency Response:** The sound characteristics are largely dependent on the material to which the exciter is attached.
- **Hidden Audio Solution:** Ideal for creating discreet sound systems where traditional speakers are not desired.



Image 3.2: Rear view of a single Dayton Audio DAEX25 exciter, showing the central transducer element and the 3M VHB adhesive pads on the mounting arms for secure attachment.





Image 3.3: Side profile of the Dayton Audio DAEX25 exciter, illustrating its compact depth and the connection terminals at the bottom.

4. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance of your DAEX25 exciters.

4.1. Surface Selection

The sound quality and frequency response are highly dependent on the material and size of the surface chosen. Experiment with different materials such as wood, glass, metal, or plastic panels. Thinner, lighter

materials generally produce higher frequencies, while thicker, denser materials can yield more bass response. Ensure the surface is clean, dry, and smooth for best adhesive contact.

4.2. Attachment

1. Carefully peel off the protective backing from the 3M adhesive pads on the exciter.
2. Press the exciter firmly onto the chosen surface. Apply even pressure for several seconds to ensure a strong bond.
3. For stereo sound, position the two exciters appropriately on the surface, considering left and right channel separation.

4.3. Wiring

Connect the exciter terminals to a suitable audio amplifier. The DAEX25 has an impedance of 8 Ohms. Ensure your amplifier can safely drive an 8 Ohm load. Use appropriate gauge speaker wire for connections. Observe correct polarity (positive to positive, negative to negative) for optimal sound reproduction.

5. OPERATION

Once installed and connected to an amplifier, operate the DAEX25 exciters like any conventional speaker system. Connect your audio source (e.g., laptop, personal computer, smartphone) to the amplifier, and play your desired audio content. Adjust the amplifier's volume to a comfortable listening level. The sound will emanate from the surface to which the exciters are attached.

6. MAINTENANCE

The Dayton Audio DAEX25 exciters require minimal maintenance. Keep the units and the attached surface clean and free from dust. Avoid exposing the exciters to excessive moisture, extreme temperatures, or direct sunlight, as these can degrade performance and lifespan. Do not attempt to disassemble the units, as this will void the warranty.

7. TROUBLESHOOTING

If you encounter issues with your DAEX25 exciters, refer to the following common troubleshooting steps:

- **No Sound:**
 - Ensure the amplifier is powered on and connected correctly to the audio source.
 - Check all speaker wire connections for proper contact and polarity.
 - Verify the audio source is playing and its volume is turned up.
- **Poor Sound Quality / Distortion:**
 - Reduce the amplifier's volume to prevent overdriving the exciters or the surface.
 - Experiment with different mounting locations or surfaces. The acoustic properties of the surface significantly impact sound quality.
 - Ensure the exciters are firmly attached to the surface without any loose areas.
- **One Exciter Not Working:**
 - Check the wiring for the non-working exciter.
 - Swap the exciters' connections at the amplifier to determine if the issue is with the exciter or the amplifier channel.

8. SPECIFICATIONS

Specification	Detail
Model Name	DAEX25
Speaker Type	Sound Exciter
Mounting Type	Portable
Impedance	8 Ohm
Speaker Maximum Output Power	10 Watts
Frequency Response	298 Hz (dependent on attached material)
Connectivity Technology	Wired
Audio Driver Type	Dynamic Driver
Audio Driver Size	93.1 Millimeters
Product Dimensions	0.75"D x 3.59"W x 3.59"H
Item Weight	0.35 Pounds (5.6 ounces)
Included Components	Strong 3M adhesive pads
Color	Black
Manufacturer	Dayton Audio

9. WARRANTY AND SUPPORT

The Dayton Audio DAEX25 Audio Exciter Pair comes with a **Full Warranty**. For specific terms and conditions of the warranty, please refer to the documentation provided with your purchase or contact Dayton Audio directly.

For technical support, product inquiries, or warranty claims, please contact Dayton Audio customer service. You can find more information and contact details on the official Dayton Audio store page: [Dayton Audio Store](#).