

## IO-SERIES BOX CONTENTS



(2) Cabinet Speakers  
(2) Attached "U" brackets



notched &  
solid end-caps



(8) rubber feet

Owner's Manual  
Warranty Card



## REAR CONFIGURATIONS



Elegant cover  
conceals and protects  
connection terminals



**Bookshelf  
Configuration**



rear mounted view  
with SE-DBLSVL  
**Swivel Bracket**  
(not included)



Shown with  
the included  
**U-Bracket**



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Rev. A

**OWNER'S MANUAL**

# Endeavor<sup>®</sup>

## IO-505, 605, 805

2-way Cabinet  
Indoor / Outdoor  
Loudspeaker



## SPECIFICATIONS

	IO-505	IO-605	IO-805	
<b>Kevlar Woofer:</b>	5-1/4"	6-1/2"	8"	Size
<b>Frequency Response:</b>	40 - 21K	38 - 21K	35 - 21K	Hz
<b>Power Handling:</b>	50 / 100	60 / 120	70 / 140	watts nom. / max.
<b>Sensitivity:</b>	87	88	89	dB 1 watt / 1 meter
<b>Impedance:</b>	8	8	8	ohms

**Woofer / Tweeter:** Dupont<sup>®</sup> Kevlar woofer with butyl rubber surround  
1" Tetoron<sup>®</sup> soft dome pivoting tweeters

**Grille:** Rust proof Perforated Aluminum Grille which is epoxy painted for long life in high humidity and salt air environments.



**Available Colors:** White (IO-505W) & Black (IO-505B)  
White (IO-605W) & Black (IO-605B)  
White (IO-805W) & Black (IO-805B)  
All cabinets, grilles & brackets are paintable to match your decor.

**Warranty:** *Lifetime Limited Warranty*

## FEATURES

Sealed, port-less design enclosure prevents bugs and moisture from entering cabinet.

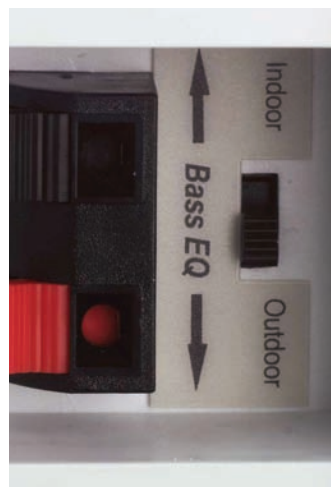
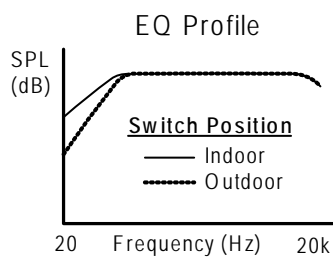
Indoor / outdoor bass equalization

Versatile mounting options, includes standard type "U" bracket, and mounting bosses on rear for optional double-swivel mounting brackets.

Suitable for use on book shelves with bracket-less finished look

## Setting the Bass EQ Switch

The bass EQ (Indoor/Outdoor) switch allows the speaker to play louder without distortion by reducing the level of the lowest bass frequencies. We generally recommend that the EQ switch be left in the Indoor position. This position offers the most low frequency output. However, for outdoor applications with high volume & power demands we recommend the Outdoor position. This will help to protect the woofer from damage and improve the clarity of the midrange frequencies. Another function of the Outdoor position is to reduce the very low frequency output that might disrupt neighbors.



## Using Speakers without Brackets (**Bookshelf Configuration**)

The IO series speakers can be set on a bookshelf, desktop, stand, or other flat surface. The speakers are shipped with additional solid endcaps that provide a finer look when the U-Brackets are not used.

- 1) Remove the endcaps by pulling the back end of them away from the enclosure.
- 2) Loosen and remove the brass thumb screws that hold the bracket to the speaker.
- 3) Remove the bracket and replace the thumb-screws. Tighten them securely with your fingers.
- 4) Slip the front edge of the solid endcaps into the available grooves and press the endcaps into place ensuring that they engage with the thumbscrews.
- 5) Install the supplied vinyl feet to the bottom of the speaker by peeling them from the sheet and pressing them into place. They may also be attached to the side of the speaker if one intends to lay the speaker on its side.



## Installation Using Optional **Double Swivel Bracket**

Follow the manufacturers instructions for the installation of the bracket. To prepare the speaker for this type of bracket, remove the supplied bracket and replace the endcaps following steps 1-4 in the previous section, **"Using Speakers without**



**Brackets."** The bracket is attached to the back of the speaker using ¼-20 screws or bolts. The length of the hardware will be determined by the bracket thickness but it will likely be about 1/2" to 5/8" in length. It will be necessary to remove the terminal cover from back of the speaker. To do this, use your finger(s) to pull back on the bottom of the cover at the relief in the enclosure.

## Installation Using the Included **U-Bracket**

- 1) Determine the installation location of the speaker. Use care to ensure the structure has the ability to carry the weight of the speaker. We recommend that the speaker be located where there is a stud or other support structure especially if the speaker will be oriented horizontally. If attaching to sheetrock (gypsum board), ensure that you use suitable hardware such as toggle anchors (not supplied).
- 2) Measure the hole-spacing on the bracket and transfer these dimensions to the mounting surface.
- 3) Install the attachment hardware, drilling holes as necessary.



**In most installations the bracket will need to be removed from the speaker so that it can be tightened to the mounting surface without obstruction.**

- 4) Remove the endcaps by pulling the back end of them away from the enclosure.
- 5) Remove the bracket from the speaker by loosening and removing the brass thumb screws that hold the bracket to the speaker.
- 6) Screw the bracket to the mounting surface. Either set of holes may be used (slots or keyholes). If the wire is coming through the wall then it can be passed through the center-hole in the bracket if desired or practical.
- 7) Prepare the wire for termination by stripping back the insulation approximately ½" (13mm).
- 8) Remove the terminal cover from back of the speaker using your finger(s) to pull back on the bottom of the cover at the relief in the enclosure.
- 9) Attach the speaker to the bracket making the thumb screws finger tight.
- 10) Position the speaker so the input terminals can be accessed.
- 11) Pass the wire through the cover and connect it to the input terminals, observing polarity to ensure consistency.
- 12) Snap the terminal cover into place and rotate the speaker in the desired direction.
- 13) Tighten the thumb screws. A screwdriver may be used to ensure they are tight.
- 14) Re-install the endcaps.