

# **Boston**

*Boston Acoustics*

## **Indoor/Outdoor/All weather speaker system**

*Système de haut-parleur intérieur/extérieur/ toutes conditions météorologiques*

*Universal - Lautsprecher für drinnen und draußen bei jedem Wetter*

*Sistema de altavoces para todo tipo de clima. Para Interior /Exterior*

*Casse acustiche per interni/esterni/ e per tutte le condizioni atmosferiche*

*Binnen/Buiten/Voor iedere weersomstandigheden geschikt luidsprekersysteem*

*Allværs høyttalersystem for inne og ute bruk*

**Voyager®7**  
**Voyager®6**  
**Voyager®5**  
**Voyager®4**  
**Voyager®Metro**



## Description

Thank you for purchasing these new Voyager® speakers. Combining the famous Boston sound with the latest and best weather resistance and manufacturing methods, the Voyagers are ideally suited to anything you can throw at them. Try outdoor use – sun, rain, snow, heat, and cold – or marine use. They are equally at home in your home, for background music, hi-fi, or home theater. All models in the Voyager line are true two-way designs with all acoustic parts sealed and gasketed against penetrating weather.

Drawing from over a decade of all-weather speaker expertise, Boston built the Voyager series to minimize exposure of acoustic parts to weather and with materials proven to resist the elements: polypropylene cabinets with UV light and impact resistance, all-aluminum grilles and brackets, gold-plated speaker connectors. All drivers are manufactured from high-tech plastics, rubbers, and other materials that have been extensively tested for durability. Versatile brackets simplify installation in many situations (and the speakers' shape makes corner placement easy). The large, grippy knobs make adjustment to speaker angle easy.

Enjoy your New Voyager speakers!

## SPECIFICATIONS

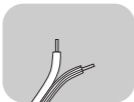
	VOYAGER® 7	VOYAGER® 6	VOYAGER® 5	VOYAGER® 4	VOYAGER® METRO
<b>Frequency Response</b> (±3dB)	59Hz-20kHz	65Hz-20kHz	70Hz-20kHz	80Hz-20kHz	65Hz-20kHz
<b>Recommended Amplifier Power</b>	15-150 watts	15-125 watts	15-100 watts	15-100 watts	15-100 watts (Per channel)
<b>Nominal Impedance</b>	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms x 2 (Per channel)
<b>Sensitivity</b> [1 watt (2.83v) at 1m]	90dB	89dB	89dB	89dB	89dB
<b>Bass Unit</b> copolymer cone with butyl rubber surround	7" (180mm)	6 1/2" (165mm)	5 1/2" (135mm)	4 1/2" (115mm)	6 1/2" (165mm)
<b>Tweeter</b>	1" (25 mm) Kortec®	1" (25 mm) Kortec®	3/4" (19mm) Kortec®	3/4" (19mm) Kortec®	Ø 1" (25mm) Kortec®
<b>Crossover Frequency</b>	2500 Hz	2500 Hz	3500 Hz	3500 Hz	2500 Hz
<b>Dimensions</b> without bracket (HxWxD)	14 1/2 x 9 1/2 x 8 1/2 Inches 368x251x212 mm	13 x 9 x 7 1/2 Inches 330x229x197 mm	11 1/2 x 8 1/2 x 7 Inches 286x210x177 mm	9 1/2 x 6 1/2 x 5 1/2 Inches 238x175x149 mm	9 x 13 x 7 1/2 Inches 229x330x197 mm
<b>Grille &amp; Bracket</b> corrosion resistant	powder-coated aluminum	powder-coated aluminum	powder-coated aluminum	powder-coated aluminum	powder-coated aluminum
<b>Housing</b>	polypropylene	polypropylene	polypropylene	polypropylene	polypropylene

## How to Connect Your Speakers

You need to wire your speakers correctly to obtain the best sound quality and a proper stereo image. Wiring should take a few minutes, but it's important to do it carefully, since incorrect wiring (such as reversed connections) can result in a poor stereo soundstage or poor bass. We recommend 18 gauge (or heavier) lamp cord or speaker wire for runs of up to 25 feet (8m), and thicker 16 gauge for longer runs. Strip 1/2" (12mm) of insulation off the ends of each speaker cable to expose the two conductors, and tightly twist the wire strands. In installations where wiring is run on or through a building, use appropriate weatherproof wire that complies with local codes. See your dealer or other knowledgeable person for recommendations on suitable wiring.

### WARNING:

To prevent electrical shock hazard, always switch off the amplifier or receiver when making connections to the speaker. When making all connections, be sure to connect the + (red) on the speaker to the + (red) on the amplifier, and the - (black) on the speaker to the - (black) on the amplifier.



**IMPORTANT:** Typically, one side of the wire is smooth. Connect this side to the - (black) connection. The other side has a rib or stripe or other marking. Connect this to the + (red) connection.



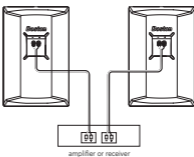
Using the five-way binding posts: The binding posts permit easy connection to banana plugs, spade lugs, and bare wire. Insert the wire in the hole and tighten.

## Basic Hookup

1. Connect the speaker terminals to the amplifier speaker outputs.

2. When making all connections, be sure to connect + to + (red) and - to - (black).

Note: The Voyager® Metro requires connection of both left and right speaker wires to the one speaker.



## Checking the Speaker Connections

It is important that your speakers are hooked up with similar polarity or "in phase." A simple listening test will tell you if your speakers are connected properly. Place the speakers face to face, as closely together as possible. While listening to music with your amplifier set to MONO, reverse the connections at one speaker only. You'll hear a dramatic change in sound. The connection that yields the fuller bass and louder sound is correct.

## Listening Levels and Power Handling

The listed power recommendations assume you will operate your system in a way that will not produce distortion. Even these rugged speakers can be damaged by a modest amplifier if it produces distortion. If you hear a harsh, gritty noise, turn down the volume. Prolonged or repeated operation of your speaker with a distorted signal from the amplifier can cause damage that is not covered by the warranty.

## How to Place Your Speakers

Placement is one of the most important factors for sound quality. Taking a few minutes to place your speakers correctly ensures that your speakers will sound best in any indoor or outdoor environment. For best stereo effect, separate the speakers by at least 3-6 ft. (1-2m). Typically, placement near a wall or other surface will increase the bass output of the speaker. Corner placement will give still more bass. Outdoors, placement under the eaves of a roof reduces exposure to constant direct sunlight and precipitation, which will extend the speaker's life. Placement under the eaves or on a wall near the ground will increase bass. In situations where you need to avoid disturbing neighbors, you may wish to install the speakers on a post or railing facing the house and listening area (the sound area will be more contained).

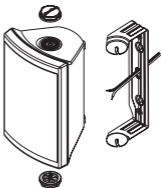
## Mounting the speakers

Before running permanent wires and mounting the speaker, you may wish to test the speaker placement first for coverage and good stereo sound.

Use the supplied bracket to mount the speaker vertically or horizontally on walls or other surfaces. The bracket includes keyhole sockets and other holes to suit a variety of hardware. Consult a knowledgeable person about the best hardware to use for your particular wall surface.

For mounting, remove the bracket from the speaker. If running wires, you may wish to route the wiring through the bracket's large middle hole; the bracket will cover the hole in the wall. Mount the bracket and attach the speaker. Adjust the speaker to face the listening area.

Alternatively, you may use mounting brackets made by other companies. The 1/4-20 threaded inserts for the knob match various brackets and mounting plates. The Voyager® 7 includes two more inserts on the rear of the cabinet. Consult your dealer or the bracket manufacturer for more information.



## Mounting Options

### Voyager® 7

### All other models

Insert Size

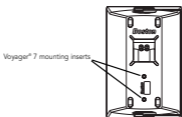
1/4-20

1/4-20

Insert Location

Top, Bottom,  
and 2 on rear, 3" (76.2mm) apart

Top and Bottom



## Public address installations

The Voyager models include internal screw holes for 70V matching transformers used in professional PA installations. These holes are designed for transformers with two mounting points spaced 2-3" (52-76mm) apart (Voyager 4,5, and 7) and for a transformer adaptor plate with four holes (Voyager 6 and Metro). Use self-tapping #6 x 3/8" screws (metric equivalent: M3.5 x 10mm). To mount a transformer, remove the speaker grille (see above), and then remove the recessed screws holding the front baffle. Connect the transformer wires with wire nuts or solder. Test the speaker and reattach the front baffle, making sure the sealing gasket is in place. Do not over-tighten the recessed screws, or the plastic screw threads will strip.

## Maintenance

Voyager speakers require no more than occasional dusting or wiping with a soft cloth. When the speakers are installed in hard-to-reach locations, you may brush them with a soft broom. Avoid directing a garden hose at the speaker—it can damage the drivers or dislodge the wiring.

## If Service Seems Necessary

First, contact the dealer from whom you purchased the speakers. If that is not possible, write to: Boston Acoustics, Inc. 300 Jubilee Drive Peabody, MA 01960 U.S.A.

We will promptly advise you of what action to take.

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