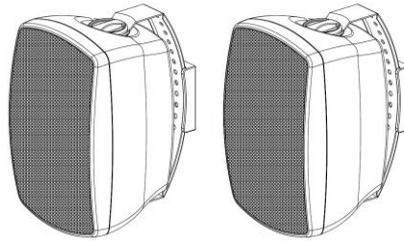


# BH SERIES

## Background Speakers

## User Manual



### Introduction

Thank you for choosing the Adastra BH series speakers for your sound installation.

These durable cabinets deliver reliable, high quality sound output for music and announcements. Please read the following guidance notes for correct installation.

### Contents

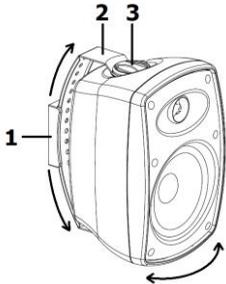
2 x BH series background speakers  
2 x steel speaker brackets  
2 x plastic wall plates

4 x cross-head screws  
4 x speaker screw caps

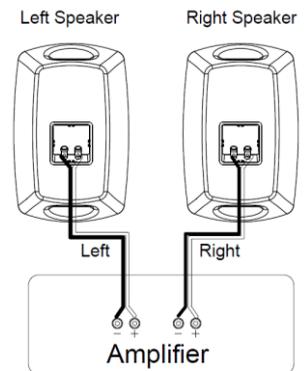
### Specifications

Model	BH3	BH4	BH5	BH6	BH8
White stock ref.	100.916UK	100.918UK	100.920UK	100.922UK	100.924UK
Black stock ref.	100.917UK	100.919UK	100.921UK	100.923UK	100.925UK
Impedance	8Ω				
Dispersion angle	120°				
IP rating	IP44				
Power handling max	60W	60W	100W	140W	160W
Power handling rms	30W	30W	50W	70W	80W
Frequency response	110Hz - 20kHz	100Hz - 20kHz	80Hz - 20kHz	50Hz - 20kHz	30Hz - 20kHz
LF driver	75mmØ (3")	100mmØ (4")	135mmØ (5.25")	165mmØ (6.5")	200mmØ (8")
HF driver	13mmØ (0.5")	13mmØ (0.5")	13mmØ (0.5")	25mmØ (1")	25mmØ (1")
Sensitivity	86dB	88dB	89dB	90dB	90dB
Dimensions (each)	164*107*102mm	195*127*126mm	255*163*160mm	290*195*190mm	378*244*240mm
Weight (each)	0.83kg	1.23kg	1.98kg	2.70kg	3.98kg

## Installation



1. Unscrew the plastic wall plate from the speaker bracket and mark out, drill and fix to the wall as required.
2. Line up the steel speaker bracket against the plastic wall plate at the required tilt angle and secure using the 2 screws provided through 2 of the punched holes.
3. Locate the speaker into the speaker bracket and secure using the screw caps provided on the top and bottom.
4. Adjust the horizontal angle (pan) of the speaker by loosening the screw caps, turning the speaker and re-tightening the screw caps.
5. Remove the cover on the rear of each speaker to reveal the spring terminals.
6. Each BH speaker has  $8\Omega$  impedance.  
Ensure the total load connected to each output channel is no lower than the minimum stated for the amplifier.  
Connect 1 BH speaker for an  $8\Omega$  load or connect 2 x BH speakers in parallel for a  $4\Omega$  load
7. Use good quality 2-core speaker wire capable of carrying the rated power and connect to the speaker terminals. Strip back the insulation, press down the terminal, thread the wire through the terminal post and release to grip the bare wire.
8. If installing in sheltered outdoor areas, fit the cover over the rear terminal cavity to protect the wiring from moisture.
9. Connect the + and - terminals on the speaker to the relative outputs on the amplifier as shown in the diagram above.



**Disposal:** The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

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Unit 2-4 Bridgewater Park, Taylor Rd. Manchester. M41 7JQ  
AVSL (EUROPE) Ltd, Unit 3D North Point House, North Point Business Park, New Mallow Road, Cork, Ireland*