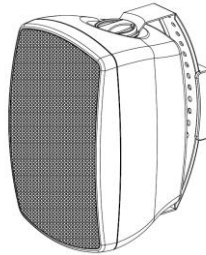


# BHV SERIES

## Background Speakers

## User Manual



### Introduction

Thank you for choosing the Adastra BHV 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.

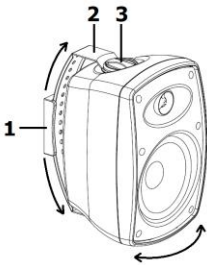
### Contents

BH series background speaker	2 x cross-head screws
Steel speaker bracket	2 x speaker screw caps
Plastic wall plate	

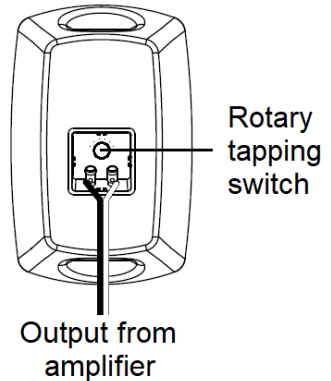
### Specifications

White stock ref.	952.612UK	952.614UK	952.616UK	952.618UK
Black stock ref.	952.613UK	952.615UK	952.617UK	952.619UK
Model	BH4V	BH5V	BH6V	BH8V
Impedance	16Ω			
IP rating	IP44			
Dispersion	120°			
100V tappings	2.5, 5, 10, 20W	5, 10, 20, 30W	10, 20, 30, 40W	20, 30, 40, 50W
Power max	60W	100W	140W	160W
Power rms	30W	50W	70W	80W
Freq. response	100Hz - 20kHz	80Hz - 20kHz	50Hz - 20kHz	30Hz - 20kHz
LF driver	100mmØ (4")	135mmØ (5.25")	165mmØ (6.5")	200mmØ (8")
HF driver	13mmØ (0.5")	13mmØ (0.5")	25mmØ (1")	25mmØ (1")
Sensitivity	88dB	89dB	90dB	90dB
Dimensions	195*127*126mm	255*163*160mm	290*195*190mm	378*244*240mm
Weight	1.63kg	2.38kg	3.28kg	4.82kg

## 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. (Do not over-tighten)
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. If the amplifier is 100V type, select the required wattage output on the rotary switch inside the rear speaker compartment.
7. If the amplifier is *not* a 100V type, ensure that the total speaker load on each output is no lower than that stated for the amplifier.  
 Select the 16Ω option on the rotary switch and connect  
 1 x BHV speaker for a 16Ω load,  
 2 x BHV speakers in parallel for an 8Ω load or  
 4 x BHV speakers in parallel for a 4Ω load.
8. 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.
9. If installing in sheltered outdoor areas, fit the cover over the rear terminal cavity to protect the wiring from moisture.
10. Connect the + and - terminals on the speaker to the relative outputs on the amplifier.



**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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