

BCV-SERIES

100V Indoor Speakers

User Manual



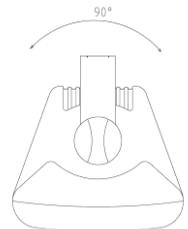
BC3V	75mm (3"), 60Wmax	White	952.710
		Black	952.711
BC4V	100mm (4"), 70Wmax	White	952.712
		Black	952.713
BC5V	130mm (5.25"), 90Wmax	White	952.714
		Black	952.715
BC6V	165mm (6.5"), 120Wmax	White	952.716
		Black	952.717

Introduction

Thank you for choosing the BCV-series indoor speakers. These speakers have been designed to offer high quality sound for 100V line or low impedance installations. Please read and follow the instructions in this manual to achieve the best results and avoid damage through misuse.

Installation

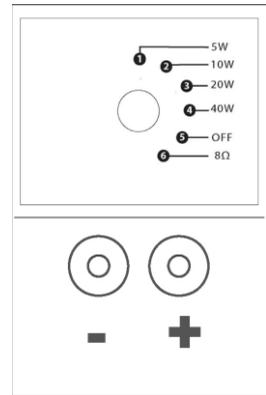
The BCV-series speakers are each supplied with a wall-mounting bracket which allows 90° lateral adjustment. When fixing to a wall or ceiling, use the bracket to mark out the fixing points and use appropriate fixings for the substrate that the speaker will be attached to, ensuring that the fixing is strong enough to bear the weight load.



Once the bracket is fitted, support the speaker in position and attach top and bottom using the supplied M6 screw caps and adjust to the required angle. Further M6 mounting points are available at the rear of the speaker, should it be preferred to use different mounting methods (e.g. 129.130 – 129.124UK)

Connection

BCV-series speakers are connected via 2 spring terminals at the rear of the enclosure. For 100V operation, use double insulated cable rated to the total maximum current, calculated as total max tapped power divided by 100V. With the amplifier switched off, strip the speaker wire ends and connect 100V or “+” wire to the red terminal and connect Common or “-” to the black terminal. Each model has a 100V transformer built in with various volume settings or “tappings” available via a rotary switch at the rear (BC6V example shown).



When used with a 100V line amplifier, select the required maximum wattage that the speaker should demand from the amplifier. Ensure that the sum of the wattages of all the speakers attached to the amplifier does not exceed the recommended output of the amplifier.

When used with a standard (non-100V) amplifier, select the “8Ω” setting and refer to the amplifier manufacturer’s manual to ensure that total speaker impedance (Ω) is not less than recommended for the amplifier. It is imperative that the amplifier does not deliver more power than can be handled by the BCV speaker. Refer to the amplifier manual and specifications below to calculate this. Normally, it is recommended that the amplifier is capable of the RMS power rating of the speaker but cannot ever exceed the Max power rating.

Specifications

Model	BC3V	BC4V	BC5V	BC6V
Woofer	75mmØ (3")	100mmØ (4")	130mmØ (5.25")	165mmØ (6.5")
Tweeter	50mmØ (2")	25mmØ (1")	25mmØ (1")	25mmØ (1")
Freq response	120Hz - 20kHz	110Hz - 20kHz	100Hz - 20kHz	90Hz - 20kHz
Power max : 8Ω	60W	70W	90W	120W
Power rms : 8Ω	30W	35W	45W	60W
Tappings	1.5/3/6W, 8Ω	2.5/5/10/20W, 8Ω	5/10/20/30W, 8Ω	5/10/20/40W, 8Ω
Dimensions (mm)	106 x 153 x 106	150 x 195 x 150	180 x 240 x 180	220 x 280 x 220
Weight	900g	1.63kg	2.38kg	3.08kg
SPL @ 1W/1m	88dB	88dB	88dB	89dB

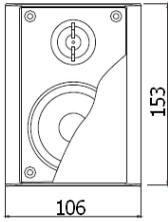
Caution

The BCV-series speakers are intended for indoor use. Avoid moist or dusty environments.

Avoid excess heat and exposure to direct sunlight.

Take care not to overload speakers. HF drivers are especially prone to damage through overload.

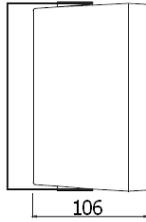
For 100V installation, take proper care to insulate any contacts within reach of users.



153

106

BC3V



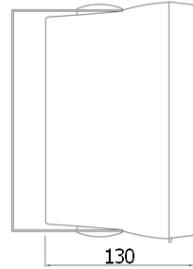
106



195

150

BC4V



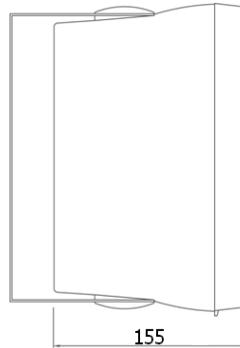
130



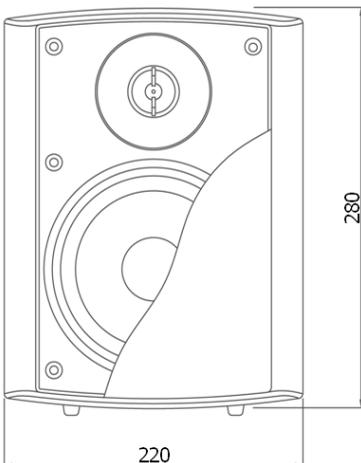
235

180

BC5V



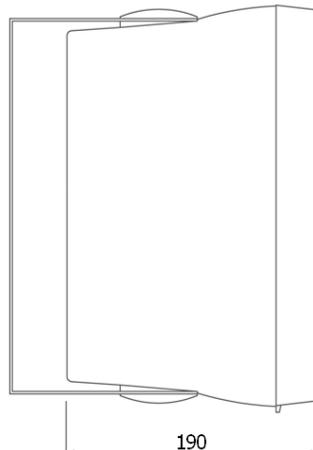
155



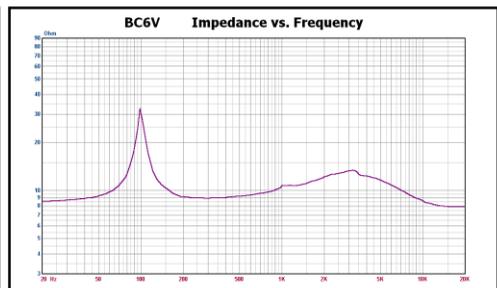
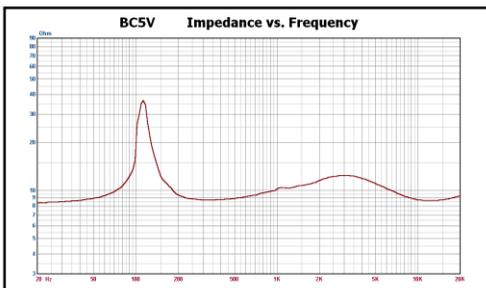
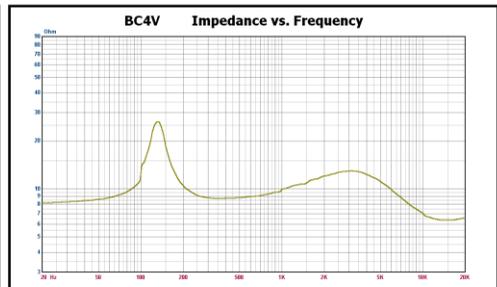
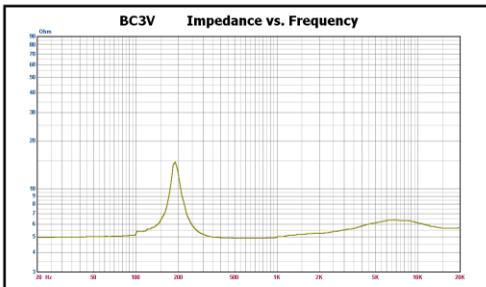
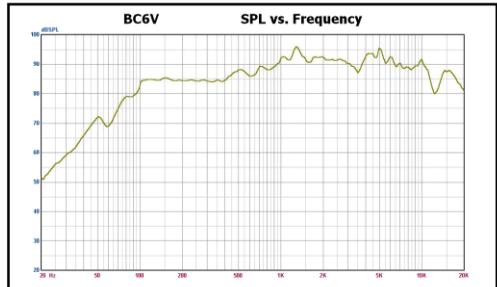
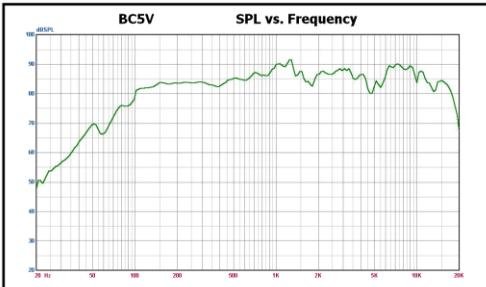
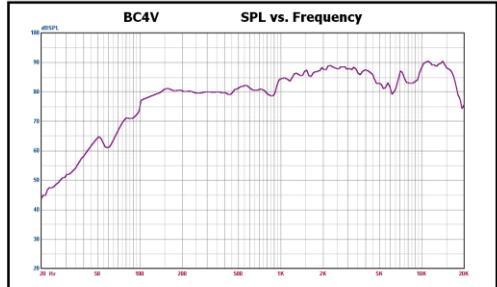
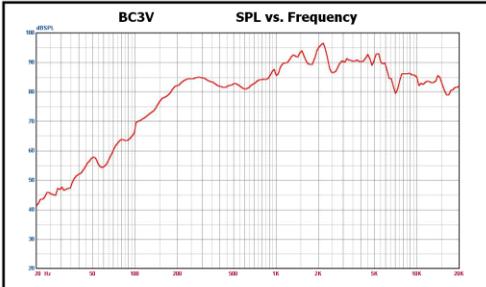
280

220

BC6V



190



*Errors and omissions excepted.
Copyright© 2012. AVSL Group Ltd.*