

# impact

series



 Turbosound®

# Impact – Performance and Style

The Impact series of fixed installation products offers unbeatable audio performance, legendary Turbosound voicing and long-term dependability. Designed primarily for the audio systems contractor, the range is extremely versatile, simple to install, and yet offers a cost effective solution for a multitude of applications.

The Impact series can be successfully deployed in distributed background music systems in restaurants, cafés and bars. However, with the addition of sub-bass reinforcement from the TSB-110 bass enclosure, Impact loudspeakers can be used as primary sound reinforcement systems in boardrooms, conference facilities, theatres, visitor attractions and small clubs.

## Impact 50



high quality sound reproduction from a compact and attractively styled injection-moulded enclosure.

Supplied as standard as a 16ohm low impedance product to allow multiple units to be connected to one amplifier channel, it is also optionally available with a high quality internal line input transformer (Impact 50T) with 12.5 watt, 25 watt and 50 watt power taps, allowing the unit to be used in 70 volt line or 100 volt line distributed sound systems.

A new easy-install wall mounting bracket is supplied with each loudspeaker to enable the Impact 50 loudspeaker to be wall mounted. Its 'slot and lock' mechanism ensures ease of use and minimal installation time. In addition, a range of cost effective hardware is available to enable the Impact 50 to be used in a wide variety of portable and permanently installed applications.

Choosing small doesn't prevent you from choosing style. Weighing just 2.2kg, the Impact 50's ultra-compact, moulded enclosure features a reflex-loaded 5" LF driver and a 0.5" liquid-cooled HF tweeter, matched with an internal fourth order passive crossover network. Designed for background music applications ranging from cafes, wine bars and restaurants to themed environments and retail shopping malls, it provides

▼ WB-50 wall bracket ►



## Impact 80

The Impact 80 is a truly universal solution. It installs as well in a cafe or wine bar as into a leisure complex or themed environment. Its robust but stylish enclosure is manufactured using a unique 'foam-in-place' rotational moulding technique, giving an attractive and extremely durable finish which is resistant to knocks and scuffs, with the added benefit of eliminating resonances in the cabinet walls and reducing colouration.

The Impact 80 is a passive 2-way loudspeaker design using a proprietary 8" low frequency drive unit matched to an HF tweeter with an internal passive crossover. Its physical design is symmetrical, allowing the speaker to be mounted vertically or horizontally without altering the 60° horizontal x 60° vertical dispersion pattern. Input to the Impact 80 is via a pair of colour coded binding posts, providing the input from the power amplifier and a parallel connection to additional loudspeakers.

A pole mount socket is moulded into the bottom of the enclosure, thereby allowing the Impact 80 to be used on tripod stands for audio visual applications or on top of bass enclosures from the TXD series. An integral



moulded handle is provided at the rear for easy lifting and carrying.

A range of hardware options, including the WB-20 wall bracket, enables simple and reliable installation even in the most difficult venues.

## TSB-110

The TSB-110 provides sub-bass support for the Impact 50 and Impact 80.2, and for TXD and QLight™ series models. It comprises a dual-voice-coil 10" LF driver in a birch plywood enclosure consisting of two dissimilar compartments, optimally ported to produce substantial sub-bass energy from a cabinet of extremely modest dimensions.

The TSB-110 is essentially a dual channel loudspeaker, having two independent 4 ohm voice coils wound on the same drive unit, and so a single

sub-bass enclosure can be configured as part of a high quality two channel system consisting of up to four satellite units per channel. A rear panel connector plate provides left and right stereo inputs and outputs via four colour-coded spring-loaded push terminals and a Neutrik Speakon connector. Alternatively, an internal jumper configures the unit as a single channel 8ohm device for use as a discrete feed. The choice of enclosure impedance improves flexibility of install in both passive and active environments.

The TSB-110 has been designed to fit into small spaces or architectural features where a conventional bass unit would be impractical. It can therefore be installed discreetly under bars or stages, or even underneath seating, without affecting sonic performance. M10 rigging points are additionally provided to allow the enclosure to be flown.

The enclosure is constructed from 15mm (5/8") birch plywood and is available as standard in black textured paint. TurboBlue™ or white semi-matt textured paint is optionally available.



# Technical Specifications

	Impact 50	Impact 50T	Impact 80.2	TSB-110
<b>Dimensions (mm) (HxWxD)</b>	288 x 167 x 148	288 x 167 x 148	480x 295 x 250	330 x 585 x 330
<b>Dimensions (ins) (HxWxD)</b>	11.3 x 6.6 x 5.8	11.3 x 6.6 x 5.8	18.9 x 11.6 x 9.8	13 x 23 x 13
<b>Net weight (kg)</b>	2.2	3.8	6.6	16.5
<b>Net weight (lbs)</b>	4.8	8.4	14.5	36.3
<b>Frequency range (±4dB)</b>	80Hz - 20kHz	80Hz - 20kHz	70Hz - 18kHz	45Hz - 180Hz
<b>Dispersion (av) @-6dB</b>	120°H x120°V	120°H x120°V	60°H x 60°V	n/a
<b>Power handling (program)</b>	150	150	400	600
<b>Sensitivity (1w@1m)</b>	88dB	88dB	93dB	95dB
<b>Maximum SPL (cont.)</b>	111dB	111dB	119dB	120dB
<b>Maximum SPL (peak)</b>	117dB	117dB	125dB	126dB
<b>Nominal impedance</b>	16 ohms	n/a	8 ohms	2 x 4 ohms
<b>Installation points</b>	2 x M6	2 x M6	2 x M6	4 x M10
<b>Finish</b>	TurboBlue™; optional black, white		Black; optional TurboBlue™	
<b>Accessories</b>	WB-50 wall bracket SB-50 swivel bracket SM-50 single point mount	WB-50 wall bracket SB-50 swivel bracket SM-50 single point mount	WB-20 wall bracket CB-55 ceiling bracket SM-100 single point mount	



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