

ZonarSound introduces a new kind of flat, directional loudspeaker. The speaker is capable of directing sound to targeted audiences, providing listeners with sound clarity without interfering with surrounding areas. It is particularly useful in environments where sound needs to be controlled, such as large public spaces like shopping centres, museums and corporate offices etc.

Based on the flat, flexible speaker technology developed and patented by parent company Warwick Audio Technologies, the ZonarSound speaker panel is extremely thin, but also very robust, with an indicative 90 minute fire rating, making it suitable for use within suspended ceilings as well as independently suspended or wall mounted

Because the speakers use electrostatic technology, they are inherently low power, allowing four speakers to be run from each specially designed ZonarSound amplifier.

The speaker has two variants. The Master speaker has amplification built-in for ease of installation and flexibility. Slave speakers can be driven from a Master or from the specially designed ZonarSound amplifier. Both options allow up to four speakers to be driven from one amplifier.

Features

- Directional sound creating a listening zone
- Solid construction including a 90 minute fire rating
- Can be installed in a 600x600 suspended ceiling, below the ceiling or on the wall
- Master speaker has amplifier built in to drive a system of up to 4 speakers
- Slave speaker can run from a Master or the ZonarSound amplifier using standard 2 core cable up to 100m away
- ZonarSound Amplifier can run up to 4 Slave speakers
- Easy installation with pluggable terminal blocks for Power and Audio
- Balanced or un-balanced audio
- 24v power supply (sold separately)

Typical applications

Anywhere you need to control sound:

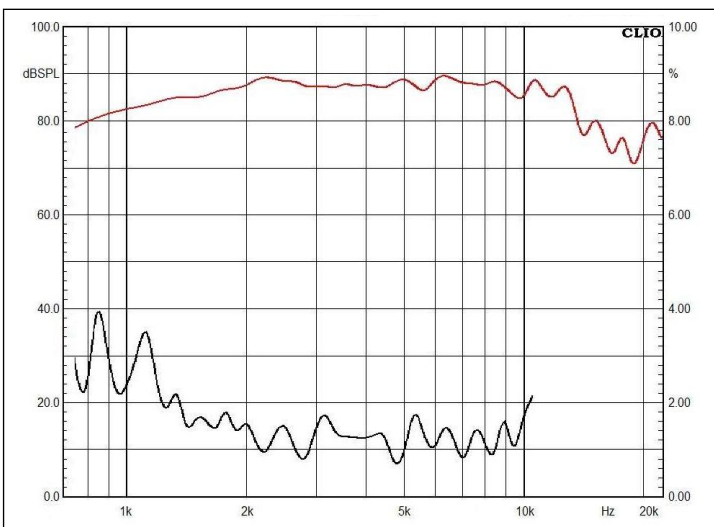
- Advertising in retail stores and shopping centres
- Digital signage
- Museums
- Corporate offices – open meeting spaces
- Showrooms
- Kiosks
- Amusement parks and attractions
- Sound masking
- Command and Control centres
- Factory audio



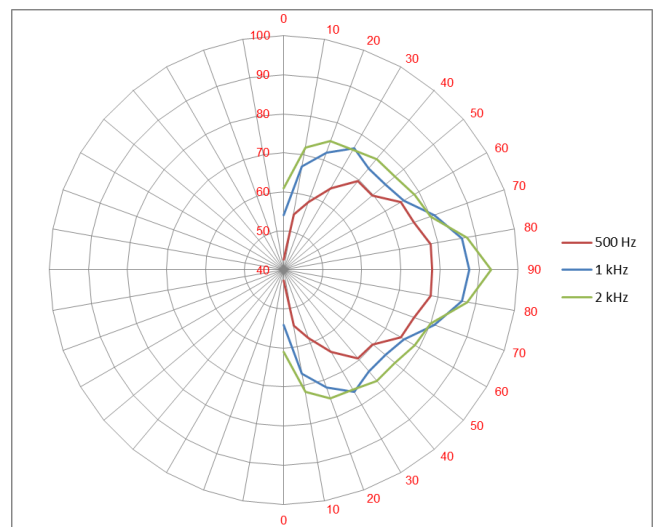
Speaker Ratings

Parameter	Value	Units	Comments
Master and Slave speaker dimensions	595 x 595 x 30	mm	690 x 690 x 160mm packed
Amplifier dimensions	190 x 150 x 52	mm	260 x 165 x 110mm packed
Speaker weight	5	kg	Without packaging (7.5kg packed)
Max SPL	90	dB	@ 2 kHz @ 2 m @ 1 V RMS input
THD	<5	%	@ 85 dB @ 2 m
Master audio input connection	Terminal		Balanced or un-balanced
Amplifier audio input connection	RCA-Phono		Un-balanced
Master/Amp speaker volume control	0 to Max SPL		Continuously variable
Master/Amp input gain selection	+10	dB	Internal jumper selection (Unbalanced only)
Master/Amp audio IN	1	V RMS	Recommended level
Master/Amp supply voltage	24	V dc	
Electrical power requirements (running)	6	W	250 mA with Master tile plus 3 slave tiles
Electrical power requirements (start-up)	1	A dc	24 V dc
Master/Amp power ON LED	Yes		Master visible from the back, Amp on the front
Slave speaker volume control	-15 to 0	dB	In 3 dB steps
Max distance from amplifier to Slave	100	m	Two core cable <20Ω loop, <10nF per 100m (440v rated)

Parameter	Min	Max	Units	Comment
Number of Slaves driven from Master tile	0	3		Wiring internal to Master tile
Working temp range	0	50	deg C	
Relative humidity	0	80	%	Non Condensing



Frequency and Distortion



Polar Plot