

HIGH PERFORMANCE SMALL FORM FACTOR SPEAKER SYSTEM



INSTALLATION POINTS

Failure to observe any of these installation points will invalidate your warranty:

- Placing speakers further apart generally improves stereo response, but worsens bass response.
- Angle speakers inwards to test for changes to staging/imaging.
- Be realistic about bass output from small drivers, and tune for overall sound.

TS PARAMETERS

Name	Value	Unit	Note
RE	6.3	OHM	Electrical voice coil resistance at DC
LCES	10.87	MH	Electrical inductance representing driver compliance
FS	84.22	HZ	Driver resonance frequency
MMS	2.2362	G	Mechanical mass of driver diaphragm assembly including air load and coil
MMD	2.1377	G	Mechanical mass of voice coil and diaphragm with out air load
CMS	1.5971	MM/N	Mechanical compliance of driver suspension

DETAILED TECHNICAL DATA

Power Handling (Per Driver):	50WRMS (@0%Thd)
Nominal Impedance:	8 ohm
Voice Coil Diameter:	19.45 mm
Voice Coil Layers:	2 layers
Magnet:	60*10 mm
Magnet Type:	Y30 Ferrite

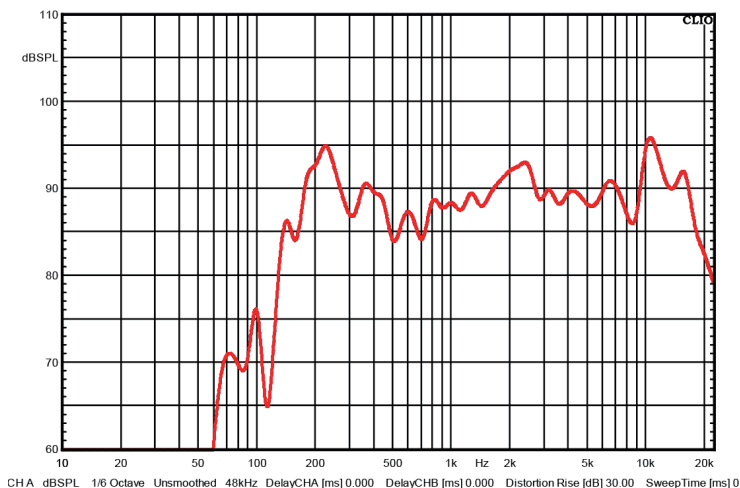
TEAM TIPS

- Securing the speakers to a solid surface if possible dramatically improves performance vs placing them.
- If a 4 ohm impedance is required it can be achieved by using 2 pairs of KUBE1 speakers wired in parallel.
- Using a subsonic filter will greatly improve sound quality. Experiment with frequency settings from 35hz and upwards.



Name	Value	Unit	Note
BL	2.6085		Force factor BL product
QMS	1.5720		Mechanical Q factor of driver in free air considering RMS only
QES	0.5913		Electrical Q factor of driver in free air considering RE only
QTS	0.4297		Total Q factor considering RE and RMS only
VAS	2.1671	LTR	Equivalent air volume of suspension
LMOM	85.43	DB	Nominal sensitivity (SPL at 1M for 1W @ ZN)
SD	31.17	CM2	Diaphragm area

SPL VS FREQUENCY



TECHNICAL DRAWING

Length:	115mm
Width:	90mm
Height:	90mm
Weight Approx. (Per Set):	0.9Kg

