Starlet SATELLITE



KamoGa
Karaoke | **M**ovie | **G**aming
Surround Satellite Speaker

TECHNICAL DATASHEET ISSUE 11.2026

Product overview

Starlet Satellite is a compact, sealed surround speaker designed for KamoGa karaoke, movie and gaming systems. Two 2" full-range drivers sit in a precision injection-moulded cabinet just 123 mm tall, delivering clear vocals and wide, natural surround from a speaker small enough to sit among books and objects.

With 40 W rated power, 90 dB sensitivity and a 300 Hz – 20 kHz response, Starlet is voiced to hand the low end to the KamoGa bass module. Wall, ceiling, shelf or stand mounting makes it the natural choice for living rooms, media rooms, yacht saloons and private suites.

Key features

Twin full-range drivers – Two 2" (50 mm) drivers per cabinet share the vocal and effects range, so voices stay clear and centred even at karaoke levels.

UKP paper cone and dust cap – Light, stiff paper gives a natural, detailed voice and seals and stiffens the centre of the cone.

Twin neodymium magnet – A two-layer neodymium motor with a pure-copper top plate gives a tighter magnetic field and lower attenuation.

Aluminium frame and heat sink – A CNC-machined aluminium frame gives maximum rigidity, and the finned heat-sink frame keeps the driver cool through long sessions.

Sealed, anti-resonance enclosure – Injection-moulded high-grade ABS, tightly sealed, behind an aluminium grille.

Jewel-cube design – Just 123 × 61 × 83 mm in White, Silver or Black, so it sits among books and objects and almost disappears into the room.

Part of a KamoGa system – Matched with the KamoGa main module and bass module in 3.1, 5.1 and 7.1 systems, with no sound calibration needed after installation.



Grille on · grille off

Architect & engineer specifications

The loudspeaker shall be a compact, sealed satellite loudspeaker for wall, ceiling, shelf or stand mounting.

The loudspeaker shall consist of two 2" (50 mm) full-range drive units with paper cones and twin neodymium magnets, in a sealed injection-moulded ABS enclosure with an aluminium grille.

The loudspeaker shall have a nominal impedance of 8 Ω, a frequency response of 300 Hz – 20 kHz, a sensitivity of 90 dB (1 W / 1 m), a rated power of 40 W and total harmonic distortion of no more than 5% (1 kHz, 1 W).

Dimensions shall not exceed 123 × 61 × 83 mm (H × W × D) and the net weight shall not exceed 0.5 kg. The loudspeaker shall be available in white, silver and black, and shall have an M5 threaded insert for mounting.

The loudspeaker shall be the KamoGa Starlet Satellite.

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Specifications

Model	Starlet Satellite
Type	Sealed surround satellite speaker
Drive units	2 × 2" (50 mm) full range
Nominal impedance	8 Ω (2 × 4 Ω drive units in series)
Frequency response	300 Hz – 20 kHz
Sensitivity (1 W / 1 m)	90 dB
Rated power	40 W
Total harmonic distortion	≤ 5% (1 kHz, 1 W)
Enclosure	Injection-moulded, tightly sealed, anti-resonance
Materials	High-grade polymer ABS, aluminium grille
Colours	White, Silver, Black
Dimensions (H × W × D)	123 × 61 × 83 mm (4.84 × 2.40 × 3.27 in.)
Net weight	0.5 kg (1.1 lbs) per piece
Mounting	Wall, ceiling, shelf or stand · M5 threaded insert
Compatible systems	KamoGa 3.1, 5.1, 5.1 Wireless and 7.1

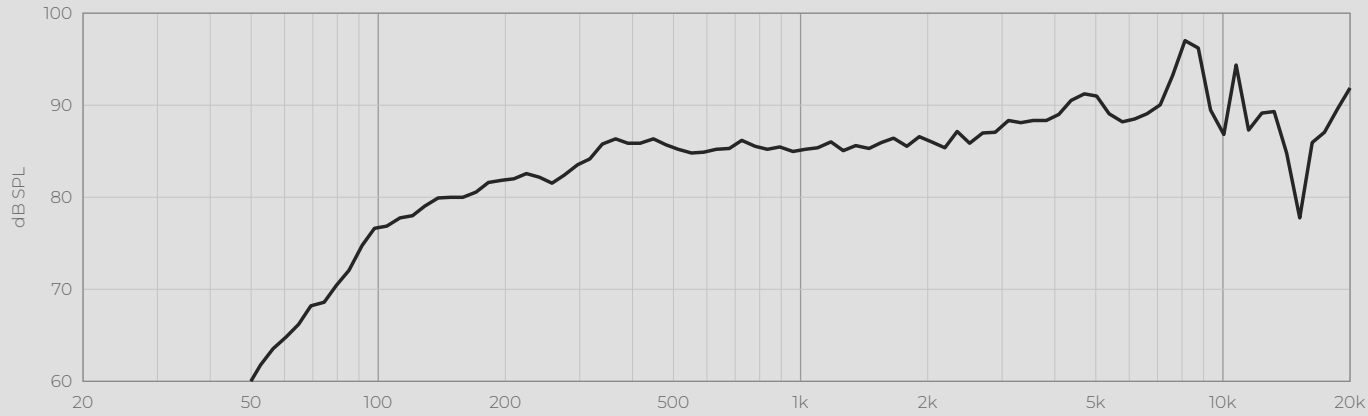
Drive unit (2 per speaker, data per driver)

Type	2" (50 mm) full range, paper cone, aluminium heat-sink frame
Nominal impedance	4 Ω ±15% (1 kHz)
Resonance frequency (Fs)	281 Hz
Rated frequency range	300 Hz – 20 kHz
Sensitivity (1 W / 1 m)	86 ±2 dB (300 Hz – 20 kHz average)
Rated noise power / maximum power	20 W / 30 W
Total harmonic distortion	≤ 5% (F0 – 20 kHz, 1 W)
Voice coil diameter	Ø25.9 mm
Magnet	Ø25 × 3.8 mm
Frame / mounting depth	72 × 72 mm / 33 mm

Drive-unit data from the manufacturer's test report, measured to GB/T 12060.5-2011 / IEC 60268-5:2007.
KamoGa reserves the right, in line with continuing research and development, to amend or change specifications. E&OE.

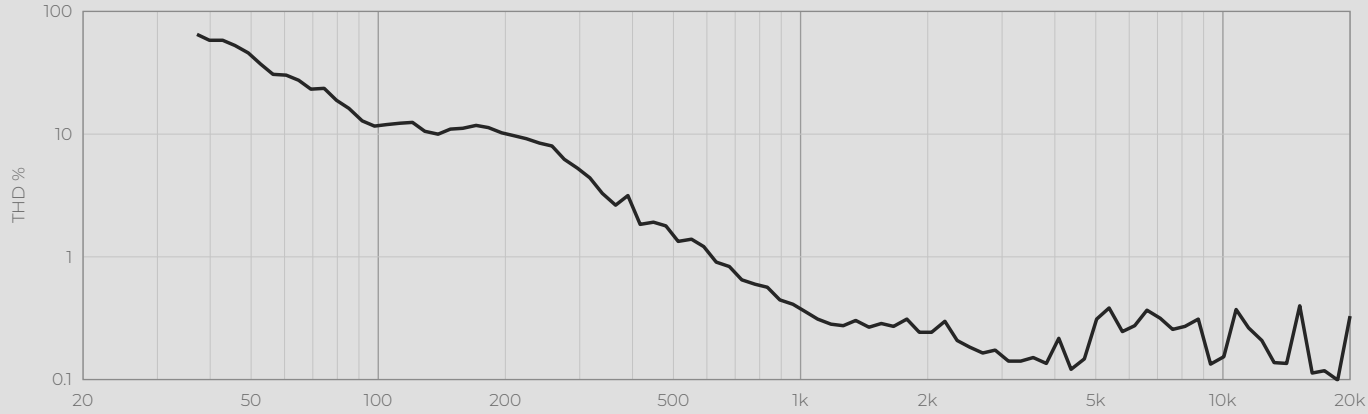
Measurements (single drive unit)

Frequency response



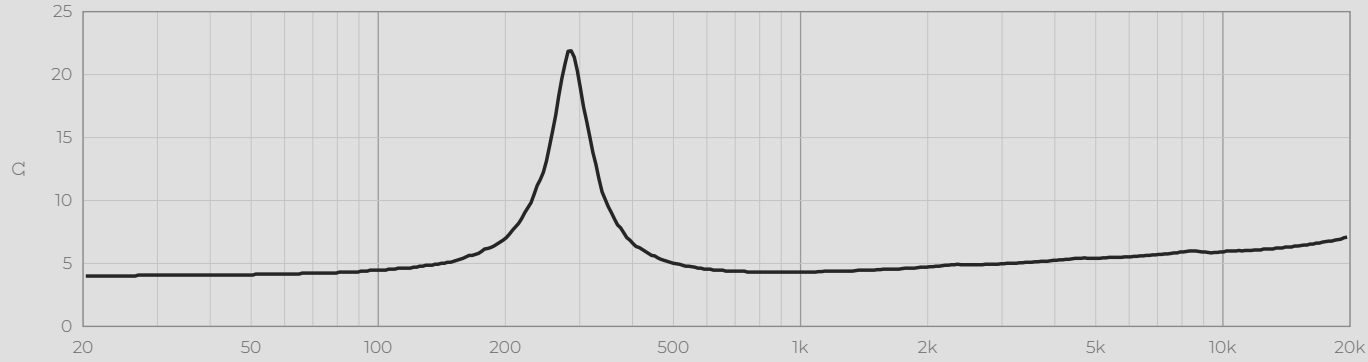
IEC baffle, 2π space, 1 W / 1 m

Total harmonic distortion



1 W / 1 m

Impedance



Free air, MLS signal 0.3 V · peak 22.2 Ω at 282 Hz

Each Starlet Satellite contains two of these drive units; all curves are for one drive unit on its own (Audio Precision and MLSSA test data). The two drivers together give the speaker its 90 dB sensitivity and 40 W rating.

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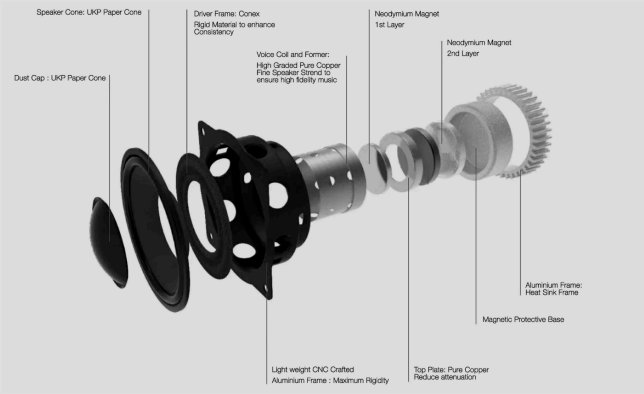
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Drive unit (2 per speaker)

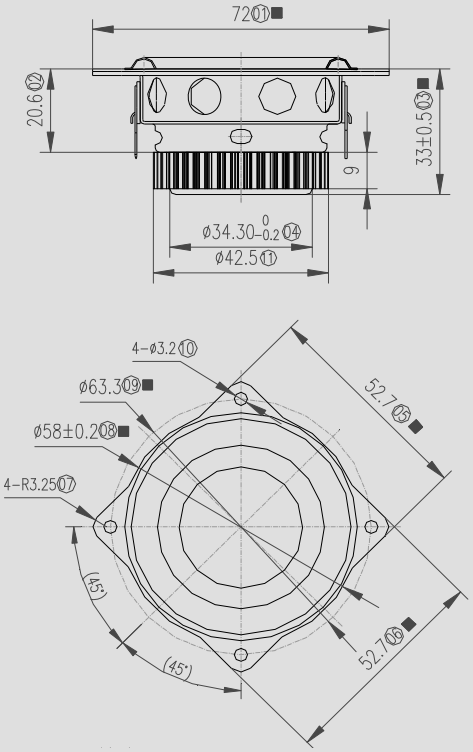
PARAMETER		VALUE
Fs	Resonance frequency	281.4 Hz
Re	DC resistance	3.84 Ω
Qms	Mechanical Q	4.79
Qes	Electrical Q	1.09
Qts	Total Q	0.89
Le	Voice coil inductance	0.03 mH
Vas	Equivalent air volume	0.11 L
Mms	Moving mass	1.44 g
Cms	Compliance	222 μm/N
Bl	Force factor	3.00 T·m
Sd	Effective piston area	18.86 cm²
SPL	Reference efficiency (Re)	85.4 dB

Thiele/Small parameters per drive unit, MLSSA, mass-loaded method



Exploded view of the Starlet 2" drive unit

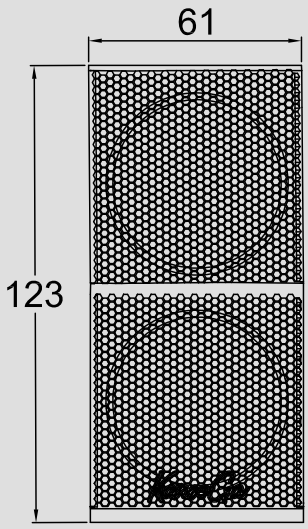
Outline drawing (drive unit, mm)



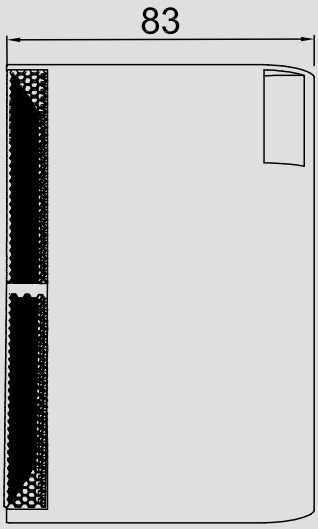




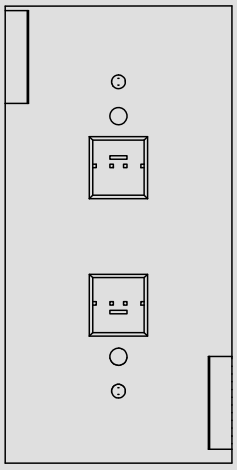
Mechanical diagrams



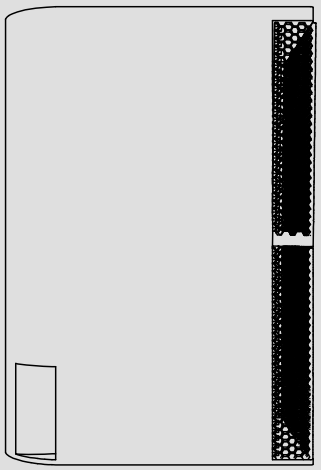
Front



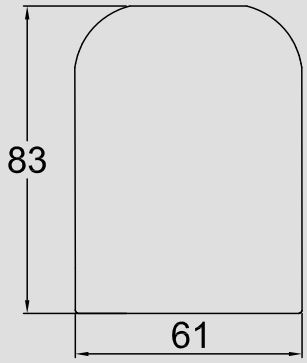
Side



Rear · speaker terminals



Side, opposite



Top

Dimensions in mm