

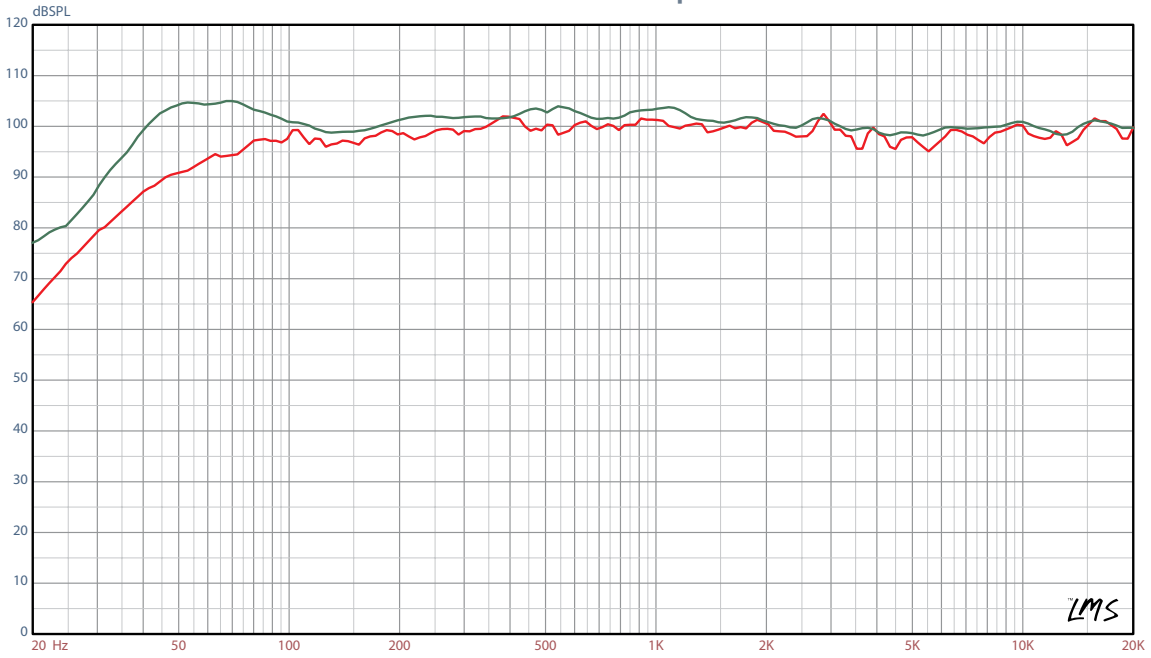


# SOUL SUPERFLY Loudspeaker Specifications

NOVEMBER 2010

<b>Description</b>	High efficiency, high output, floor standing loudspeaker. Soul Superfly features our full-range high output Zu10HO-16 driver, ZuRG driver/box/room acoustic loading technology, no crossover or filters on full-range driver, complimented by a phenolic-composite dome, time-aligned machined from 6061 billet lensed tweeter.
<b>Version</b>	mark-1
<b>Production</b>	May 2010 –
<b>Dimensions H x W x D</b>	38" tall, 12-9/64"square base, 9-31/64" square top (96.5 x 30.83 x 24.09 cm)
<b>Footprint</b>	12-9/64"square (30.83 cm <sup>2</sup> )
<b>Weight</b>	53 pounds (24 kg)
<b>Packaged</b>	one per shipping box, 60 pounds (27 kg)
<b>Driver Complement</b>	Zu10HO-16, 10-1/3" high-output full-range driver covering 30 – 12,000+ Hz ZuAPT-L2 tweeter assembly
<b>Component Tolerance</b>	driver >1% pair matching, 0.1% on all other electrical components
<b>Recommended Connector</b>	1/4" fork spade (6.3 mm)
<b>Accepted Connectors</b>	also accepts oversized forked spades, 1/4" and oversized 5/16" (8 mm) ring lugs, bare wire, pins, & banana plugs in a pinch. Banana plugs are clamped between block and lugs and are not socketed
<b>Efficiency</b>	101 dB SPL @ 1 watt, 1 meter
<b>Impedance</b>	16 ohm, nominal full bandwidth
<b>Average Room / Moderate Volume</b>	2 – 4 watt
<b>Large Room / Loud</b>	8 – 20 watt
<b>Large Room / Concert Level</b>	20 – 80 watt
<b>Max Music Input Power</b>	300 watt
<b>Bandwidth</b>	35 – 20,000+
<b>Group Delay</b>	< 5 ms
<b>Dynamic Range</b>	120 dB
<b>Horizontal Acoustic Center</b>	30" (76 cm) with 2° rising splay
<b>Horizontal Listening Window</b>	45°
<b>Vertical Listening Window</b>	45°
<b>Full-range Driver Network</b>	none
<b>Tweeter Network</b>	high-pass first order Bessel based @ 18 k mathematical and 20 kHz electrical
<b>Internal Cabling</b>	Zu B3 Ibis half mass silver alloy
<b>Cabinet</b>	MDF + V81 V1 binder + polyester + QuietCoat + Alexit finish or real wood veneer
<b>Spike / Feet Insert Thread</b>	3/8-16 TPI (9/16" hex nut, 14 mm wrench can be used but is tight)
<b>Included With Loudspeaker</b>	hard surface stainless ball end footers installed with stainless 9/16" jam nuts also included are carpet spikes and owners manual
<b>Manufacturers Country Of Origin</b>	U.S.A. all parts and labor excluding a few sub assemblies or fasteners
<b>Life Expectancy</b>	100 years; cabinet, and drivers, including the Zu10HO-16; even in direct sunlight
<b>Warranty &amp; Service</b>	5 years limited, does not cover misuse or abuse. Soul is designed to be field serviceable

# SPL vs Freq



Map

- 21: Soul SuperFly SN: 01 loudspeaker system UNSMOOTHED 4pi
- 22: Soul SuperFly SN: 01 loudspeaker system in-room



Notes

DUT: Soul Superfly Loudspeaker Assembly  
 4 Volt @ VC / 68 F  
 Test & Measures: SMC  
 Location: Ogden, Utah USA

curve 21 is unsmoothed and free field. Mic is 2-1/2" below tweeter center, between tweeter and FRD.  
 curve 22 is actual in-room measure + 1st order smoothing. Mic is 2-1/2" below tweeter center.



4.5.0.351  
Feb/11/2005

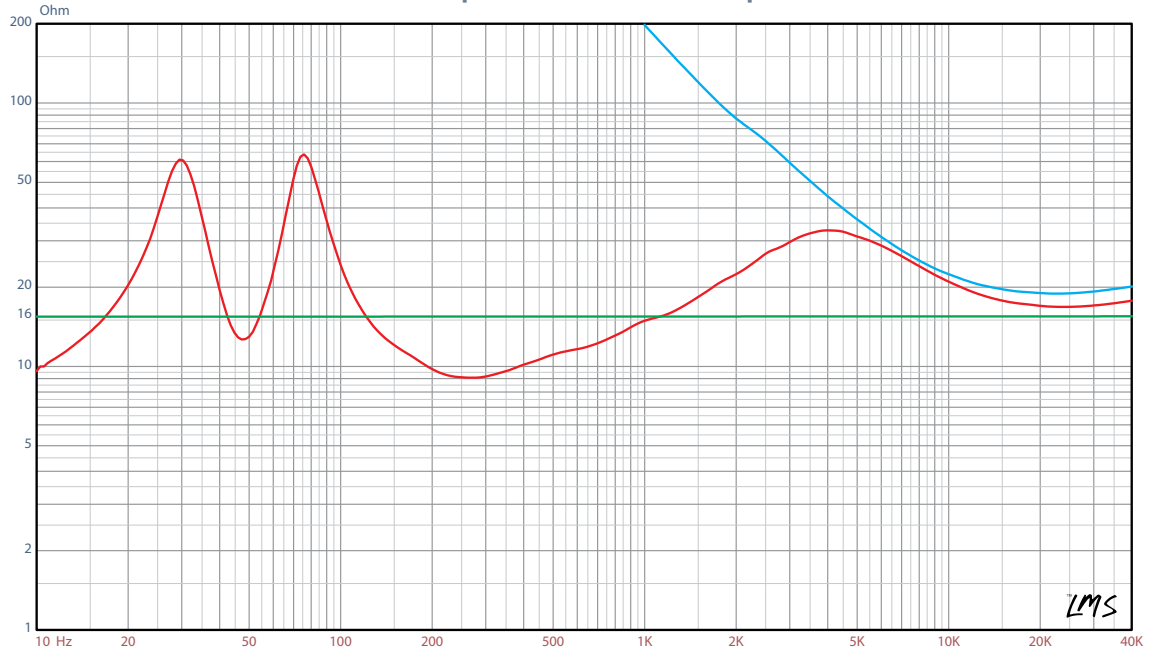
Person: Sean Casey  
Company: Zu Audio

Project: Soul Superfly  
File: Soul-SPL.lib

Apr 27, 2010  
Tue 11:52 am



# Impedance vs Freq



Map

- 1: Soul SuperFly SN: 01 loudspeaker system impedance
- 6: Soul SuperFly tweeter + network
- 8: 16Ω resistive reference load



Notes

DUT: Soul Superfly Loudspeaker Assembly SN: 01  
 (Dual and compare with Apogee/Zu DA live test)

Test & Measures: SMC  
 Location: Ogden, Utah USA



4.5.0.351  
Feb/11/2005

Person: Sean Casey  
Company: Zu Audio

Project: Soul SuperFly  
File: Soul-Z.lib

Apr 27, 2010  
Tue 10:06 am

