

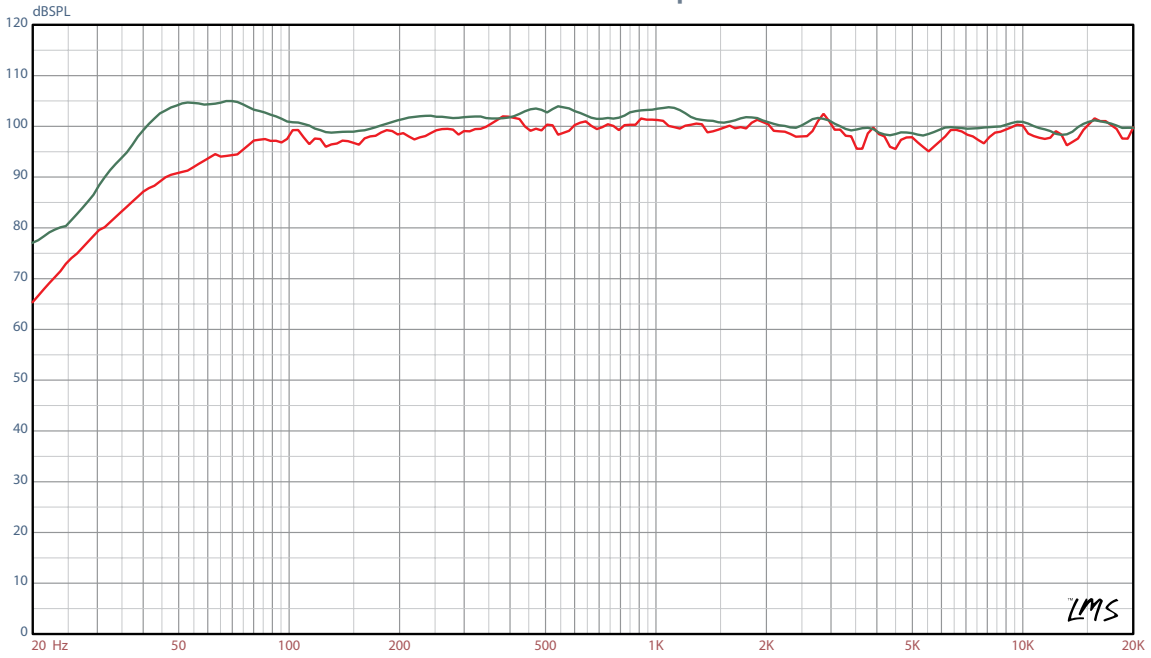


# SOUL SUPERFLY Loudspeaker Specifications

NOVEMBER 2010

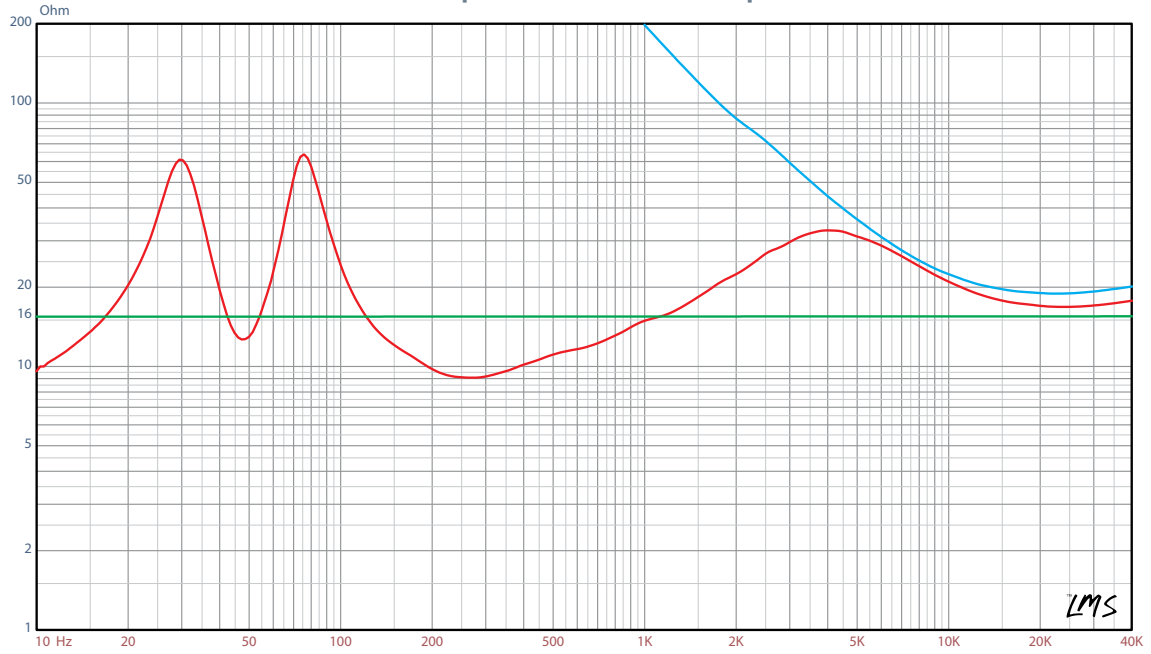
|  |   |
|--|---|
| <b>Description</b>                     | High efficiency, high output, floor standing loudspeaker. Soul Superfly features our full-range high output Zu10HO-16 driver, ZuRG driver/box/room acoustic loading technology, no crossover or filters on full-range driver, complimented by a 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<br>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<br>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   | <ul style="list-style-type: none"> <li>21: Soul SuperFly SN: 01 loudspeaker system UNSMOOTHED 4pi</li> <li>22: Soul SuperFly SN: 01 loudspeaker system in-room</li> </ul> |   |  |
| Notes | <p>DUT: Soul Superfly Loudspeaker Assembly</p> <p>4 Volt @ VC / 68 F</p> <p>Test &amp; Measures: SMC</p> <p>Location: Ogden, Utah USA</p>                                 | <p>curve 21 is unsmoothed and free field. Mic is 2-1/2" below tweeter center, between tweeter and FRD.</p> <p>curve 22 is actual in-room measure + 1st order smoothing. Mic is 2-1/2" below tweeter center.</p> |  |
| LMS   | 4.5.0.351<br>Feb/11/2005  | Person: Sean Casey<br>Company: Zu Audio   | Project: Soul Superfly<br>File: Soul-SPL.lib<br>Apr 27, 2010<br>Tue 11:52 am<br> |

# Impedance vs Freq



|       |   |   |  |
|-------|---|---|--|
| Map   | <ul style="list-style-type: none"> <li>1: Soul SuperFly SN: 01 loudspeaker system impedance</li> <li>6: Soul SuperFly tweeter + network</li> <li>8: 16Ω resistive reference load</li> </ul> |   |  |
| Notes | <p>DUT: Soul Superfly Loudspeaker Assembly SN: 01</p> <p>Test &amp; Measures: SMC</p> <p>Location: Ogden, Utah USA</p>  | <p>(Dual and compare with Apogee/Zu DA live test)</p> |  |
| LMS   | 4.5.0.351<br>Feb/11/2005  | Person: Sean Casey<br>Company: Zu Audio               | Project: Soul SuperFly<br>File: Soul-Z.lib<br>Apr 27, 2010<br>Tue 10:06 am<br> |