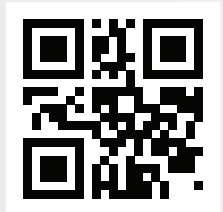


**B<sup>2</sup> audio**

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MODEL: ISX6.1

PRODUCT ID: ISX61S417



**ISX6.1**

**OWNER'S MANUAL**

**SWEET LIKE DANISH**  
**SQL AUDIOPHILE COMPONENTS**

CE

## INTRODUCTION

Welcome to our realm, B2 audio are pleased that you chose our speakers amongst the vast selection available. Our idea is not to be similar, but to offer something unique and different, something that goes beyond description: Those features are what we strive for, as our products reflect who we are, therefore we only find it natural doing in depth R&D as well as real in field testing prior to any product is released.

The ISX6.1 therefore has a heritage that stems from the mid to late 2000's when we started working on our first component speakers. The ISX6.1 has been engineered to achieve a slightly warm, but yet balanced sound-reproduction. They can be used as either an active system tuned by your headunit or your amplifiers, or as a passive system using the custom selected inductors and capacitors that will form the crossover.

In order to make the speakers appealing to both the demanding, more experienced customers as well as new customers without the same pedigree, this component set has been designed with optimization in mind. Thus factors such as efficiency, low distortion, enhanced frequency response, both on and off axis have been cornerstones for the development. Some parts chosen may seem overkill for pure SQ users, but that's how we make a difference. We don't settle for good enough when we can overachieve and increase the user applications.

\*It is essential that the ISX6.1 speaker system is given time to allow the suspension to soften up. Also referred to as "Burn In". Depending on use, this may take several weeks. While this process is undergoing, it is not recommended to apply full amplification power according to the speakers specs. Once the "Burn In" has been done, the audio reproduction of the ISX6.1 will appear more natural & balanced.



### SWEET LIKE DANISH

Sweet like Danish is our philosophy of adding something extra. That unique sensation that can be described as "Sweet" once something is just right or goes beyond expectation. But do keep in mind that continuous exposure to SPL above 100 dB can seriously damage your hearing. Today's high power auto sound systems can easily produce SPL over 140 dB. Enjoy your music with sense and remember #ItCanNeverB2Loud.

For news & updates follow us on [www.b2audio.com](http://www.b2audio.com) & social media; [www.facebook.com/b2audio](https://www.facebook.com/b2audio)  
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## DESIGN FEATURES

# ISX6.1

## SQL Component Speaker System

Frequency Response: 60 Hz ~ 23 KHz Midwoofer

Sensitivity: 90.2 dB

Nom. Impedance: 4 Ohm

DC Resistance (RE): 3.4 Ohm

Resonance Frequency (FS): 62 Hz

Power Handling: 150 Watts

Power Handling Continious: 100 Watts

QMS: 3.55

QES: 0.55

QTS: 0.476

VAS: 14.03 L

CMS: 560 um/N

MMS: 11.73 g

Voice Coil Diameter: 1.2"

BL: 5.32 TM

Material: Composite Fiber

Tweeter

94 dB

4 Ohm

1.8 KHz

25 Watts

10 Watts

1"

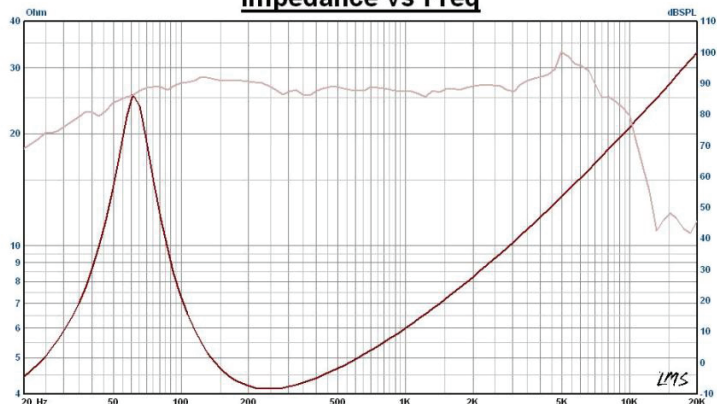
Silk Dome

Passive Crossover

Crossover point: 3.5 KHz

Slope: 12 dB/oct

Impedance vs Freq



Midwoofer

SPL vs Freq

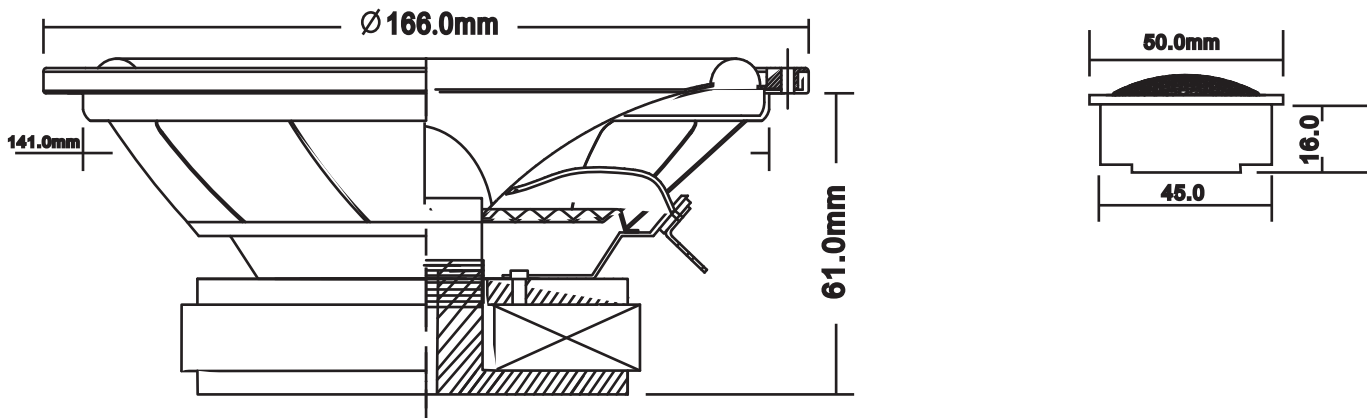


Tweeter

*B<sup>2</sup> audio*

## DIMENSIONAL DATA

### ISXS.1



## INSTALLATION

Prior to installation, ensure a proper location for the speaker system.

Due to the physical dimensions of the cabin, it is wise to test various points of placements if possible. If oem position is chosen, a good tip is to reinforce the mounting with a mdf ring and seal off leakage from that position. This will enhance mid bass response as well as optimizing overall performance. Do also try with slightly angling the midwoofer to “raise” the sound.

It is wise to keep both the midrange and tweeters in the same plane, this will make the sound appear more direct and it will cause less problems with an out of phase sensation.

The tweeters & or midranges can preferably be mounted in a-pillars or placed close to the windscreen, mirroring of that and reflecting the sound towards the best audible position.

*B<sup>2</sup> audio*