

Yamaha, with more than a century of experience in the field of music, has channeled its dedication to producing fine musical instruments into the creation of a speaker that allows people to enjoy life with music.

Soavo 2



Soavo-2

2-Way Bass-Reflex Bookshelf Speaker System

- The Soavo-2 is offered with dark brown, brown birch, natural birch, or black finish.



• Not all finishes are available in all areas.

Soavo™ Concept: A speaker that can reproduce music that offers the reality of “Natural Sound.”

Drivers

- Yamaha’s exclusive Advanced PMD woofer
- Aluminium dome DC-Diaphragm™ tweeter
- Edge-wound ribbon wire voice coil
- Spider by Kurt Müller

Cabinet

- Non-parallel surfaces
- Three-way mitered-joint construction for rigid body
- Chamfered tweeter baffle and diecast aluminium tweeter plate
- Birch veneer cabinet with open-pore finish

Networks

- Independent direct crossover connection
- Highest quality parts including ICW capacitor

Soavo-2 Main Specifications

Type	2-way bass-reflex bookshelf
Woofer	6-1/2" (16cm) Advanced PMD cone
Tweeter	1" (3cm) aluminium dome
Frequency Response	45 Hz-50 kHz
Sensitivity	88 dB/2.83 V/1 m
Maximum Input Power	120 W
Nominal Input Power	30 W
Crossover Frequencies	3 kHz
Impedance	6 ohms
Dimensions (W x H x D)	8-11/16" x 14-15/16" x 13-7/8"; 220 x 380 x 353 mm
Weight	21.4 lbs.; 9.7 kg

SPS-900 Main Specifications

Dimensions (W x H x D)	14-3/16" x 23-3/4" x 16-5/16"; 360 x 603 x 415 mm
Weight	14.3 lbs.; 6.5 kg



Soavo-2 Natural Sound Speaker System

Soavo Concept: Delivering Natural Sound

Yamaha has utilized its vast expertise in music, acoustics and especially as the world's leading manufacturer of musical instruments to develop a new high performance speaker: the Soavo-2. Yamaha has a half-century of experience in creating "Natural Sound" speakers and other audio components, and the Soavo-2 not only embodies but re-energizes the Natural Sound concept.

Our primary goal was to achieve realistic reproduction of music. We accomplished this through a combination of advanced design technology, the selection of superior materials, and an extensive testing/tuning process.

The Soavo-2 delivers extremely accurate resolution and finely detailed sound with an elegant and versatile design. This two-way bookshelf speaker system provides crisp and clear sound localization.

DRIVERS

A-PMD Woofer

Yamaha's exclusive A-PMD (Advanced Polymer-injected Mica Diaphragm) woofer cone is extremely light, rigid and sturdy thanks to the use of a low specific gravity material called PMP (Poly-Methyl-Pentene) that is much lighter than either paper or polypropylene. This driver provides very fast response time (sound rise and fall), as well as excellent midrange clarity and bass response. Outstanding internal loss characteristics decrease unwanted resonances to achieve the smooth frequency response that results in natural sounding vocals. The base resin mix of mica and talc has been perfected by Yamaha over long years of development and testing, and also contributes to the beautiful quality of sounds in the vocal range.



Advanced PMD cone woofer

Aluminium Dome, DC-Diaphragm™ Tweeter

The high-performance 1" (3cm) tweeter features a dome made of aluminium, with Yamaha's DC-Diaphragm that integrates the diaphragm and voice coil. It is extremely light yet durable, and transmits large amounts of sound information (highly detailed sound) for a denser sound field. As a result, this tweeter delivers highs that are crisp and clear at all power levels.



Aluminium dome tweeter with diecast aluminium tweeter plate (left) and DC-Diaphragm (right)

Selected High Performance Parts

The edgewise-wound ribbon wire voice coil contributes to high resolution, exceptional sound detail and excellent imaging. The spider is a high performance model made by Kurt Müller of Germany. Diecast aluminium baskets ensure solid support for high stiffness, improving sound image localization and depth reproduction.

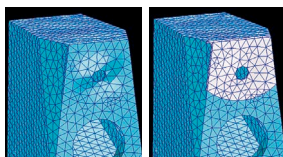
CABINET

Innovative Cabinet Design

One of the keys to Soavo's ability to deliver Natural Sound music reproduction is the cabinet design. While maximizing sound clarity and imaging, the designers strived to drastically reduce internal standing waves and produce an expansive sound with an exceptional feeling of depth. Their solution was to create a cabinet with non-parallel sides.

Tweeter Plate

A diecast aluminium tweeter plate isolates the tweeter from cabinet vibration and provides a solid attachment for the tweeter unit, preventing unwanted movement, so the high range sound is clear and transparent, with no colouration.



Without plate vs. with plate

The diecast aluminium tweeter plate is very effective in damping the vibrations that occur during high frequency output.

Birch Veneer Cabinet with Open-Pore Finish

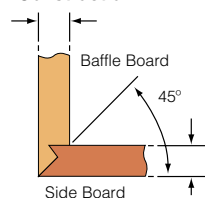
Birch is an acoustically excellent material that is used in Yamaha pianos. Yamaha's long decades of woodworking expertise have confirmed the superior performance of birch veneer for speaker cabinets, particularly in the shading of bass sounds. The cabinet is given the same luxurious and

environmentally friendly open-pore finish used on Yamaha's finest wood-grain pianos.

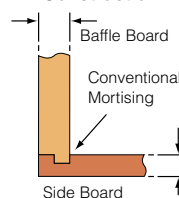
Three-Way Mitered-Joint Construction for a Rigid Body

Yamaha's excellence in woodworking is used to good advantage in the three-way mitered construction of the cabinet joints. This technique ensures extremely tight joints so the entire cabinet behaves as a single unit, providing tight bass reproduction.

Three-Way Mitered-Joint Construction



Conventional Mortised Construction



NETWORKS

Independent Direct Crossover Connections

Yamaha's scrupulous attention to the sound of Soavo-2 is seen in the design of the network circuit. It uses the highest quality parts, including ICW metallized polypropylene capacitors and high grade air-core coil with carefully selected wire.



Furthermore, these ICW capacitors and parts are connected by directly soldering each one individually, instead of using printed circuit boards. This contributes to the speaker's rich and vivid sound.

SPS-900 Optional Speaker Stands



Designed specifically for the Soavo-2, this stand is made of meticulously polished MDF with elegant metallic paint. This material, together with its oval shape serve to effectively dampen any vibrations that could affect sound quality.