

High performance speakers with full piano finish, rounded cabinets, copper-coloured aluminium cones for excellent sound quality, and Waveguide Horns.

NS-9900

2-Way Dual-Woofer Bass-Reflex Tower Speaker System for Main Channel Use

NS-P9900 (NS-E9900 + NS-C9900)

2-Way Acoustic Suspension Speaker System for Surround Channel Use (NS-E9900) and 2-Way Dual-Woofer Acoustic Suspension Speaker System for Centre Channel Use (NS-C9900)



- Provides a firm mid-high range and bass with a feeling of volume
- Luxurious Yamaha traditional piano finish
- Rounded cabinet sides for distinctive appearance and tonal richness
- Copper-coloured drivers complement the piano finish, with aluminium cones for achieving high sound quality
- Waveguide Horn allows the sound field to be shaped and controlled for optimal spatial expression in home theatre environments
- High-grade speaker terminals
- Delivers the deep, vibrant and well-balanced 5-channel sound required for home theatre



Five Speaker Set Designed to Provide Maximum Audio Satisfaction

The NS-9900/NS-P9900 five speaker set were developed for customers who want to enjoy a firm mid-high range and bass with a feeling of volume no matter what type of source they are listening to. This was accomplished by giving the speakers Waveguide Horns, using high quality aluminium cones, and designing the cabinets with a rounded shape.

Waveguide Horn Shapes and Controls the Sound Field.

Conventional direct-radiating home speakers have broad directional characteristics that result in a relatively high proportion of reflected sound (you hear a lot of sound that has bounced off walls). Movie theatres, however, are designed to have a highly absorptive acoustic environment so multichannel soundtracks provide a rich sense of spatial expression. To achieve the same effect in the home, therefore, it is necessary to use speakers with a direct/reflected sound ratio quite different from ordinary audio speakers. This is especially true in multi-speaker home theatres, where there would otherwise be lots of reflections.



Waveguide Horn (NS-9900)

Yamaha accomplished this with the development of the Waveguide Horn, creating the ideal home theatre speaker.

Shaping and Controlling the Sound Field

Waveguide Horns differ from conventional speaker horns in that their waveguide features a horizontal control angle of 135° and a vertical control angle of 120°. This allows the sound field to be shaped and controlled for optimal spatial expression in home theatre environments. The Waveguide Horn also provides a much smoother frequency response than ordinary horns.

Yamaha Seven-Coat Piano Finish

As the world's leading piano manufacturer, Yamaha has a long history of woodworking and finishing expertise. We drew on this expertise for the NS-9900 series speakers, giving them the luxurious seven-coat glossy finish used on grand pianos. The finish is actually applied by piano factory craftsmen.

Rounded Cabinet Sides

The rounded cabinet shape acts to control standing waves inside the cabinet that can degrade sound quality. It thus contributes to the speakers' natural sound and tonal richness, and also gives them an attractive and distinctive appearance.

Copper-Coloured Drivers with Aluminium Cones

The copper-coloured drivers impart a feeling of luxury that nicely complements the luxurious piano finish. Aluminium



cones, rather than paper, are used for their additional strength. They are tuned by Yamaha engineers for optimum sound quality, and provide fast attack and powerful sound projection.

Extra-Strong Midrange Magnetic Circuit

The midrange driver has an especially powerful magnetic circuit for this class of speaker, providing plenty of power for dynamic sound.

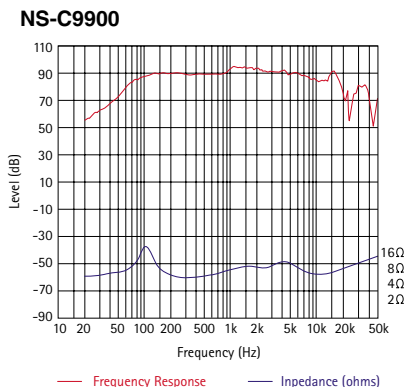
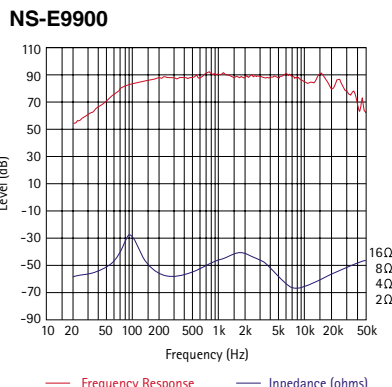
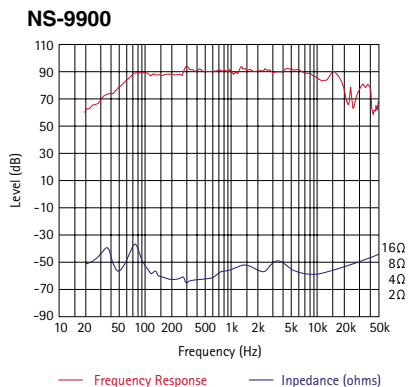
High-Grade Speaker Terminals

Quality considerations extended all the way to the speaker terminals, which are high-grade types that ensure solid, no-loss connections.



NS-9900 and NS-P9900 (NS-E9900 + NS-C9900) Frequency Response and Impedance Characteristics:

Ideally matched speaker characteristics ensure a perfectly balanced surround sound system.



Main Specifications	NS-9900	NS-P9900 Surround (NS-E9900)	NS-P9900 Centre (NS-C9900)
Design	3-way bass-reflex	2-way acoustic suspension	2-way acoustic suspension
Woofers	Dual 16cm aluminium cone	13cm aluminium cone	Dual 13cm aluminium cone
Midrange Driver	13cm aluminium cone		
Tweeter	2.5cm hard dome	2.5cm hard dome	2.5cm hard dome
Frequency Response	45 Hz-35 kHz	70 Hz-40 kHz	55 Hz-40 kHz
Input Power (Nominal/Maximum)	50 W/200 W	30 W/150 W	50 W/200 W
Sensitivity	91 dB/2.83 V/1 m	89 dB/2.83 V/1 m	90 dB/2.83 V/1 m
Crossover Frequencies	800 Hz, 3 kHz	3.5 kHz	3 kHz
Impedance	6 ohms	6 ohms	6 ohms
Magnetic Shielding	Yes	Yes	Yes
Dimensions (W x H x D)	310 x 1,170 x 371 mm (with stand)	186 x 320 x 205 mm	500 x 174 x 205 mm
Weight	25.5 kg/unit	4.9 kg/unit	6.6 kg