

Five PMD cone woofer speakers plus a 100W Linear Port subwoofer. A compact 5.1-channel system for full surround home theatre sound.



Black and light cherry finish available in some areas



- Ideal speaker combination for 5.1-channel movie sound formats
- PMD cone woofer combines high-performance materials and design for extreme accuracy (4 satellites and centre)
- 16cm (6-1/2") 100W cubic subwoofer with Advanced YST II, QD-Bass and Linear Port
- Punched metal grille (4 satellites and centre)
- Magnetic shielding allows placement near a TV (all speakers)
- Optional speaker stands (SPS-30MM)

NS-P440 Main Specifications

System

System Frequency Response	30 Hz-40 kHz
Magnetic Shielding	All speakers

Satellite Speakers (Front L/R and Surround L/R)

Design	2-way acoustic suspension
Drivers	8cm (3-1/4") PMD cone and 2.5cm (1") balanced-dome driver
Input Power (Maximum/Nominal)	80 W/40 W
Sensitivity	80 dB/2.83 V/1m
Impedance	6 ohms
Dimensions (W x H x D)	118 x 198 x 137 mm; 4-5/8" x 7-13/16" x 5-3/8"
Weight	1.4 kg; 3.1 lbs./unit

Centre Speaker

Design	2-way acoustic suspension
Drivers	7cm (2-3/4") PMD cone and 2.5cm (1") balanced-dome driver
Input Power (Maximum/Nominal)	100 W/40 W
Sensitivity	82 dB/2.83 V/1m
Impedance	6 ohms
Dimensions (W x H x D)	285 x 99 x 130 mm; 11-1/4" x 3-7/8" x 5-1/8"
Weight	1.9 kg; 4.2 lbs.

Subwoofer

Design	Advanced YST II and QD-Bass Technology
Dynamic Power	100 W
Output Power	50 W (5 ohms, 100Hz, 10% THD)
Driver	16cm (6-1/2") cone, long-stroke type
Dimensions (W x H x D)	280 x 325 x 296 mm; 11" x 12-13/16" x 11-5/8"
Weight	8.2 kg; 18.1 lbs.

4 Satellites and Centre

PMD Cone Woofer Makes These Speakers Ideal for Home Theatre Sound

Home theatre speakers must combine high power capabilities with excellent sensitivity and dynamic range, while being designed to prevent listening fatigue. The NS-P440 speakers meet these requirements by using a PMD (Polymer-injected Mica Diaphragm) cone woofer. This diaphragm is composed of white Indian Pearl Mica, chosen for the significant contribution it makes to sound quality. The cone is extremely light, yet also tough and durable, with excellent response speed.



Polymer-injected mica microscope photo

High Frequency Response 2.5cm (1") Balanced-Dome Tweeter

The proven capabilities and durability of this balanced-dome tweeter made it the ideal choice for these speakers. It can reproduce frequencies up to 40kHz with is powerful output. The diffuser over the tweeter helps improve frequency response and directionality.

Subwoofer

Advanced YST II for Awesome Deep Bass

Yamaha's Advanced YST II (Yamaha Active Servo Technology II) combines negative-impedance and constant-current principles to drive the speaker cone with even tighter control than previously. Using Advanced Negative Impedance Converter (ANIC) circuits, this system dynamically



optimizes effective speaker impedance to maintain excellent linearity. This means more stable and accurate low range response, not to mention higher sound pressure levels, for more natural and energetic bass reproduction.

QD-Bass Technology Allows Free Placement

QD-Bass (Quatre Dispersion Bass) technology uses down-firing drivers with square, pyramid-shaped reflective plates to radiate the sound efficiently in four horizontal directions. The reflective plates (not used in competitors' down-firing subwoofers) negate any effects caused by the floor surface and reduce resonance between sound waves reflected from the floor and the unit. Also, most other systems use circular cones, but by radiating in four directions to avoid the legs of the cabinet, QD-Bass reduces turbulence caused by reflection from the legs. Changing the height of the square pyramid varies the acoustic load, permitting relatively simple high-cut adjustment and improved bandpass properties. The QD-Bass system provides extraordinary power and smooth frequency response from an extremely compact unit. It also allows greater freedom of placement, since the sound radiates with equal

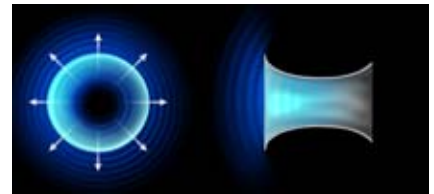


effectiveness in all directions.

Linear Port

The Linear Port provides smooth bass response during playback and minimizing extraneous noise.

Effect of Linear Port



Advanced YST II produces rich bass sound, and the addition of a Linear Port reduces extraneous noise for even higher quality.

System

Magnetic Shielding Allows Placement Near a TV

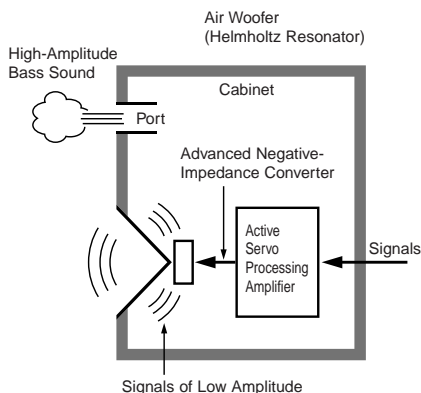
Magnetic shielding means there is no distortion-causing interference when the speaker is placed near a TV or other monitor.

Optional Speaker Stands (SPS-30MM)

Stands are available for the four satellite speakers if you do not have a handy shelf or other place to put them. They come in three colour variations.



SPS-30MM
• Dimensions: 320 x 320 mm (12-1/2" x 12-1/2") [base]; 618—868mm (24-3/8"—34-7/8") [height] • Weight: 2.4 kg (5.3 lbs.)



Recommended Combination

Combine the NS-P440 with a Yamaha receiver for an "HTiB (Home Theatre in a Box)" or Home Theatre Package.



• Product designs and specifications are subject to change without notice.