

Designed for superb musical expression with outstanding power and sound quality, the A-S700 will show its true worth when paired with the CD-S700 CD Player.



ToP-ART™
 Total Purity Audio Reproduction Technology

*CD Direct
 Amplification*

High Sound Quality

- ToP-ART (Total Purity Audio Reproduction Technology)
- I/O (input to output) Direct Symmetrical Design with top-quality parts, ART (Anti-Resonance and Tough) Base and solid center bar
- Pure Direct
- CD Direct Amplification
- High dynamic power, low-impedance drive capability
- Aluminum front panel and knobs

Advanced Features

- Continuously Variable Loudness Control
- Rotary-encoder input selector with LED
- Remote controllable motor-driven volume control
- Gold-plated input terminals
- Rec Out Selector
- Speaker A, B, A+B selection

Main Specifications

[AUDIO SECTION]		
Maximum Power	(4 ohms, 1 kHz, 0.7 % THD, for Europe)	160 W + 160 W
Minimum RMS Output Power	(8 ohms, 20 Hz–20 kHz, 0.019% THD)	90 W + 90 W
Maximum Power	(8 ohms, 1 kHz, 10% THD)	145 W + 145 W
Dynamic Power	(8/6/4/2 ohms)	140/170/220/290 W
Input Sensitivity/Impedance	CD, etc.	200 mV/47 k-ohms
Maximum Input Signal	CD, etc., 1kHz, 0.5% THD	2.2 V
Frequency Response	(CD Direct On)	10 Hz–100 kHz ±1 dB
Total Harmonic Distortion	(20 Hz–20 kHz, CD to Sp Out)	0.012% (50 W/8 ohms)
Signal-to-Noise Ratio	CD, etc. [CD Direct On]	110 dB (input shorted, 200mV)
RIAA Equalization Deviation		±20 Hz–20 kHz ±0.5 dB
Loudness Control Characteristics (Attenuation, 1 kHz)		-30 dB

[GENERAL SECTION]		
Standby Power Consumption		0.1 W
Dimensions	(W x H x D)	435 x 151 x 382 mm 17-1/8" x 5-15/16" x 15-1/16"
Weight		10.9 kg; 24 lbs.

Product designs and specifications are subject to change without notice.



Silver finish available in some areas.

Integrated Amplifier A-S700

NEW PRODUCT BULLETIN

HIGH SOUND QUALITY

Designed to Convey Genuine Musical Expressiveness

The A-S700 has inherited the Natural Sound concept of the A-S2000 and the A-S1000 Series: By pursuing the reality of musical instruments and the human voice without adding extra seasoning to the music, convey the thoughts of the musician or recording engineer. Expressing the reality of musical instruments is the foundation of Natural Sound that only a musical instrument manufacturer can achieve.

The A-S700 was tuned with three objectives: to naturally produce the harmonic constituents of violins and other high frequency instruments, to express the rich texture of the human voice and guitars and other midrange instruments, and to prevent the bass of kick drums or orchestra from losing its deep feeling and weightiness. By achieving these three objectives, that is by focusing on faithfully reproducing musical expressiveness, the A-S700 fully conveys not only the clarity, but also the joy of music.

ToP-ART (Total Purity Audio Reproduction Technology) **ToP-ART™**

When processing and transmission of the audio signal is simple and direct there is less chance of it

being affected by noise and distortion. Yamaha's amplifier design technology called ToP-ART features I/O (input to output) Direct Symmetrical Design, with left and right channels organized in a straight, symmetrical layout for highest signal purity. Advanced Yamaha audio technology and component parts give the A-S700 the winning edge in audio performance. For signal purity, Yamaha's I/O (input to output) direct symmetrical design organizes the left and right channel circuitry in a symmetrical layout. Custom-made power transformer, custom-made block capacitors, two direct signal path speaker relays, one-point grounding system, aluminum-extruded heat sinks and other top-quality parts effortlessly handle demanding audio signal conditions. High-rigidity support and vibration damping are provided by a solid center bar and Yamaha's ART (Anti-Resonance and Tough) Base bottom chassis.

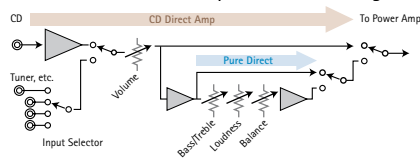
Pure Direct

When this switch engaged, the signal bypasses the tone, loudness, balance controls, and other circuit, being fed directly to the discrete power amplifier. It travels in a straight line from the volume control, through the high-gain short, direct path is maximum signal purity.

CD Direct Amplification

Engaged by a front panel switch, it matches CD signal levels so each stage produces less noise, resulting in improved S/N ratio and maintenance of the amp's total gain balance.

Pure Direct / CD Direct Amplification Block Diagram

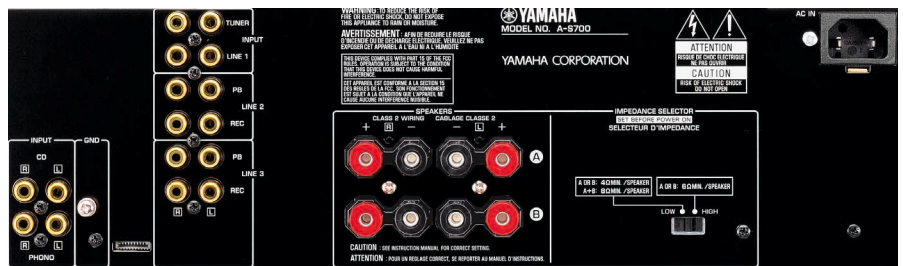


CD Direct Amplification

High Dynamic Power, Low-Impedance Drive Capability

The A-S700 is capable of delivering large amounts of reserve power for accurate reproduction of high energy peaks. This emphasizes the music's dynamic qualities and provides a sharper sound image.

A-S700 Extensive Connection Panel



Rear panel is depending on areas. Banana-plug compatible speaker terminals are not available in some areas.

Gold-Plated Input Terminals

The A-S700 uses high-grade gold-plated input terminals that provide a secure connection and ensure high quality signal transmission.

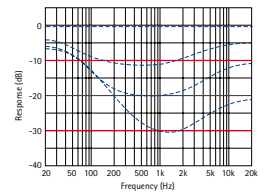
Aluminum Front Panel

The aluminum front panel provides a elegant look and helps to improve sonic performance. The volume and input selector knobs are also crafted of aluminum for a solid feel.

ADVANCED FEATURES

Continuously Variable Loudness Control and Bass/Treble/Balance Controls

With this control, the midrange frequencies are attenuated over a continuously varying, level-dependent curve, instead of a fixed level of low and high frequency boost as in conventional loudness controls.



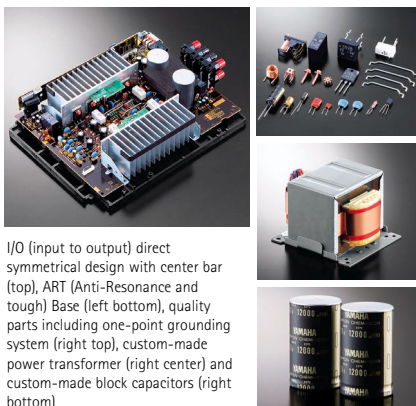
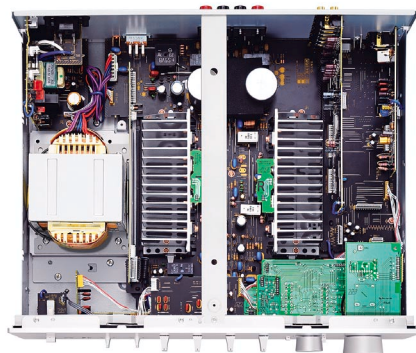
The bass/treble/balance controls are continuously variable, so they can offer smooth and accurate tonal response control over a wide range. And, with the controls set to their center positions, you have a flat tonal balance, with no influence on the original sound.

Rec Out Selector

Rec Out Selector lets you easily and simply listen to one source while recording another, for even more convenience and flexibility in your multi-component system.

Other Notable Features

- Remote controllable motor-driven volume control
- Rotary-encoder input selector with LED
- Speaker A, B or A+B selection
- Detachable AC power cable
- 0.1W standby power consumption
- System remote unit



I/O (input to output) direct symmetrical design with center bar (top), ART (Anti-Resonance and tough) Base (left bottom), quality parts including one-point grounding system (right top), custom-made power transformer (right center) and custom-made block capacitors (right bottom)