

# Ovation High Fidelity Model 1707 Stereo Integrated Amplifier

The Model 1707 Stereo Integrated Amplifier is beautiful and understated with stunning sonics that will provide years of musical enjoyment. You won't find any flashing LED's, back-lit VU meters or other unnecessary front-panel embellishments that detract from our form follows function aesthetic.

A very high performance 110 Watt per channel output means it will drive any domestic loudspeaker to concert hall sound levels with a big, open sound giving you a front row seat listening experience.

4 line inputs (CD, Tuner, Music Server/DAC and Auxiliary) along with a class leading MM phono stage come as standard, while a pre out facility allows an additional power amplifier or a powered sub bass to be easily connected to your system. For late night listening convenience, a standard 6.35mm headphone jack is located on the unit's front panel.

The remote control features a simple, intuitive user interface, and allows you to control your system from the comfort of your favourite armchair.



Engineered for Art™

## Model 1707 Stereo integrated Amplifier

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- 110 Watts RMS per channel into 8  $\Omega$ s (Ohms)
- Fast, Wide bandwidth, low distortion Class AB CMT Technology Power Stage
- 4 Line Level Inputs – CD, Music Server/DAC, Tuner and Auxiliary
- 1 high performance RIAA phono input with built in rumble filter
- -110 dB Signal to Noise Ratio ref 100 Watt output into 8  $\Omega$
- Low distortion
- 32  $\Omega$  Headphone Output via front panel mounted standard 6.35 mm jack
- WBT style shrouded speaker terminals
- Precision, Sealed Small Signal Relays for Input selection and switching
- Extensive non-intrusive protection using MOSFET relay loudspeaker switching
- Remote control
- All Aluminium and Stainless-steel construction
- Compact, aesthetic form follows function design complements any domestic setting
- 5-year Warranty on parts and labour
- Designed, engineered and assembled in the UK

The Model 1707 integrates a 110 Watt RMS (8  $\Omega$ s) per channel all-symmetrical CMT class AB integrated amplifier with a very low noise preamplifier catering for 4 line inputs (2 off 300mV and 2 off 2V) in addition to a 3mV sensitivity MM phono stage. The phono stage includes a rumble filter which sharply attenuates unwanted sub-sonic (i.e. below 20 Hz) frequencies which typically arise from warped or off-centre records. A pre-out facility taken after the volume control allows a second amplifier or a sub-bass to be connected to the Model 1707.

The amplifier features wide bandwidth, fast rise/fall times and a 500 Watt low noise power supply, allowing it to drive any domestic speaker load up to its rated power.

Borrowing technology from our top of the range Model 1501 Preamplifier, all input selection on the Model 1707 is accomplished using high performance hermetically sealed relays which prevents contact contamination, maintains source signal integrity and ensures reliable operation.

The amplifier can deliver short-term loudspeaker current demands in excess of 20 A per channel and boasts an output stage that employs 6 matched 250 Watt power transistors per channel, featuring exceptional SOA (Safe Operating Area) capability, enabling it to drive difficult speaker loads with ease.

The 500 Watt power transformer is custom wound in England and incorporates an inter-winding screen and a flux band to provide clean, pristine noise free power to the amplifier circuits. Only the highest quality, highest performance components from the world's foremost semi-conductor and passive component suppliers are used in Ovation High Fidelity products.

**Designed, Engineered and Hand Assembled in Great Britain. 5  
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## Specifications

### Model 1707 Stereo Integrated Amplifier

#### General Description

A high performance Stereo Integrated Amplifier featuring 110 Watts per channel (8  $\Omega$ s) output, 4 line inputs and a MM phono stage incorporating a rumble filter. In the preamplifier, all signal switching accomplished using hermetically sealed precision small signal relays. All-active phono stage provides >32 dB overload margin (3mV input) and 0.2 dB RIAA conformity (typical); Additional facilities include 6.35mm headphone jack and remote control (Power On/Off, volume Up/Down, input select and mute). Comprehensive non-intrusive microprocessor system monitoring and protection using Trench MOSFET solid state relay switches checks for DC offsets, over-current and output shorts, inrush current limiting and power Up/Down mute.

|                            |  |
|----------------------------|--|
| Inputs                     | 5 Inputs: - CD, Tuner, Music Server, Aux, and Phono; Phono equipped with rumble filter.  |
| Input sensitivity          | CD and Music Server/DAC 2V; Tuner and Auxiliary 300mV; Phono: 3mV at 1kHz for 1V at pre-out;   |
| Output Power               | 110 Watts RMS into 8 $\Omega$ s; 180 Watts into 4 $\Omega$ s (both channels driven at 1 kHz); 330 watts RMS into 2 $\Omega$ s (single channel driven); Peak I <sup>2</sup> .R power 600 Watts per channel both channels driven (t $\leq$ 50ms) |
| Frequency Response         | Line Level inputs: 20Hz to 20 kHz +0dB -0.1dB; 3Hz to 200 kHz +0dB -3dB; RIAA conformance typically 0.2 dB 20 Hz to 20 kHz, 0.3 dB max   |
| Distortion 20 Hz to 20 kHz | 0.005% 100 Watts into 8 $\Omega$ s; 0.01% at 180 Watts into 4 $\Omega$ s; 0.001% at 1Watt into 8 $\Omega$ s 20 Hz to 20 kHz (all figures for line level inputs)  |
| Signal to Noise Ratio      | Line: $\geq$ 100 dB ref 1 Watt out; Typically 110 dB   |
| Pre-out                    | For rated input sensitivities: 1V into 10 k $\Omega$ s; output impedance 220 $\Omega$ s  |
| Operating voltages         | 110-130 VAC or 220 to 250 VAC factory-set at time of order; other voltages available on request  |
| Power consumption          | 500 VA max; $\sim$ 3W in standby mode  |
| Dimensions                 | 45 mm wide x 95 mm high x 370 mm deep (incl. Connector and front panel dial protrusion)  |
| Weight                     | 15 kgs; 20 kgs including shipping carton and packaging   |
| Operating Temperature      | -10 deg C to +45 deg C non-condensing  |
| Warranty                   | 5 years on parts and labour. Terms and conditions apply – kindly see our website for details.  |

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We build our products to provide the ultimate in musical enjoyment and last a lifetime.

**The Ovation High Fidelity Company  
Norfolk, England**

[www.ovationhifidelity.com](http://www.ovationhifidelity.com)