The NAD 7600 is one of the world’s most powerful, most sensitive, and most flexible stereo receivers. It consists of NAD’s three finest Monitor Series stereo separates 11300 Preamplifier, 4300 Tuner, and 2600A Power Amplifier), combined on a single chassis and operated by infrared remote control.

The 7600 is rated at 150 watts/channel for continuous test tones, but its Power Envelope circuitry produces much higher levels of tone-burst power for music. Even with compressed recordings of rock music in which the peaks are only a few dB higher than the average power, the 7600 maintains a clipping level above 500 watts per channel into the complex 4-ohm impedance that is typical of real loudspeakers. In bridged mode a 7600 matched with a 2600A will deliver nearly 3000 watts of dynamic power into a pair of such speakers. The FET-input MM phono stage, employing eight selected low-noise transistors per channel, combines superb sound-stage imaging and detail with superior rejection of digital and radio-frequency interference. A separate class-A pre-preamplifier furnishes exquisitely quiet, wide-range moving-coil playback. The line-level circuits in the 7600, including its feedback-operated volume control, have a 118dB signal/noise ratio that preserves all the delicacy and purity of low-level musical information. Bass EQ and semi-parametric tone controls provide flexible sonic tailoring to compensate for differences in recordings, speakers, and listening rooms.

The tuner section of the 7600 shares the unique ultra-sensitive front end of the 4300. Together with NAD’s FM NR noise-reduction system, it provides exceptionally clear and quiet reception of weak signals. Whether you use the convenient rotary knob, the 16 presets, or the remote control for tuning, you are assured of crystal-controlled digital accuracy.

Combining convenience with superbly musical performance, the NAD 7600 is a no-holds-barred product that establishes new standards in receiver design.
### PRE-AMP SECTION

#### Phono input
- **Input impedance (R and C)**
  - MM: 47kΩ / 120pF
  - MC: 47kΩ / 120pF
- **Input sensitivity, 1kHz**
  - MM: 0.28mV ref. 1W
  - MC: 0.02mV ref. 1W
- **Signal/Noise ratio (A-weighted with cartridge connected)**
  - MM: 76dB ref. 5mV
  - MC: 76dB ref. 5mV
- **THD (20Hz - 20kHz)**
  - <0.04%
- **RIAA response accuracy (20Hz - 20kHz)**
  - ±0.5dB

#### Line level inputs
- **Input impedance (R and C)**
  - 50kΩ / 250pF
- **Input sensitivity (ref. 1W)**
  - 15mV
- **Maximum input signal**
  - >10V
- **Signal/Noise ratio (A-weighted ref. 1W)**
  - 96dB
- **Frequency response (20Hz - 20kHz)**
  - ±0.3dB

#### Tone controls
- **Treble**
  - ±12dB at 3, 6 or 12kHz
- **Bass**
  - ±12dB at 50, 120 or 250Hz
- **Bass EQ**
  - +3dB at 60Hz
  - +6dB at 36Hz
- **Infrasonic filter (Switchable)**
  - -3dB at 14Hz, 12dB / octave

### POWER AMP SECTION

#### Continuous output power into 8Ω *
- 150W (21.7dBW)

#### Clipping power (maximum continuous power per channel)
- 170W

#### IHF Dynamic headroom at 8Ω
- +4dB

#### IHF dynamic power (maximum short term power per channel)
- 8Ω: 400W (26dBW)
- 4Ω: 600W (28dBW)
- 2Ω: 800W (29dBW)

#### Damping factor (ref. 8Ω, 50Hz)
- >120

#### Input impedance
- 30kΩ / 1500pF

#### Input sensitivity (for rated power into 8Ω)
- 1V

#### Frequency response
- 3Hz - 80kHz +0, -3dB

#### Signal/Noise ratio
- ref. 1W: 100dB
- ref. rated power: 122dB

#### THD (20Hz - 20kHz)
- <0.03%

#### Bridged Mode

#### Continuous output power into 8Ω *
- 400W (26dBW)

#### IHF Dynamic headroom at 8Ω
- +5dB

#### IHF dynamic power (maximum short term power per channel)
- 8Ω: 1.2kW (31dBW)
- 4Ω: 1.4kW (31.5dBW)

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## FM TUNER SECTION

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mono</th>
<th>Stereo</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input sensitivity Mono THD+N</td>
<td>-30dB THD+N 9dBf (0.8µV/75Ω)</td>
<td>12dBf (1.1µV/75Ω)</td>
</tr>
<tr>
<td>Mono S/N</td>
<td>50dB S/N 12dBf (1.1µV/75Ω)</td>
<td>24dBf (4.5µV/75Ω)</td>
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<tr>
<td>Stereo S/N</td>
<td>60dB S/N 35dBf (15µV/75Ω)</td>
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</tr>
<tr>
<td>Capture ratio</td>
<td>≤1.5dB</td>
<td></td>
</tr>
<tr>
<td>AM rejection</td>
<td>&gt;70dB</td>
<td></td>
</tr>
<tr>
<td>Selectivity, alternate channel</td>
<td>80dB</td>
<td></td>
</tr>
<tr>
<td>Selectivity, adjacent channel</td>
<td>10dB</td>
<td></td>
</tr>
<tr>
<td>Image rejection</td>
<td>&gt;120dB</td>
<td></td>
</tr>
<tr>
<td>I F rejection</td>
<td>&gt;100dB</td>
<td></td>
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<tr>
<td>Harmonic distortion Mono</td>
<td>0.07%</td>
<td></td>
</tr>
<tr>
<td>Harmonic distortion Stereo</td>
<td>0.07%</td>
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</tr>
<tr>
<td>Signal/Noise ratio Mono</td>
<td>85dB</td>
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<tr>
<td>Signal/Noise ratio Stereo</td>
<td>80dB</td>
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<tr>
<td>Frequency response ±0.5dB</td>
<td>0.5dB</td>
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<tr>
<td>Channel separation at 1kHz</td>
<td>55dB</td>
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## AM TUNER SECTION

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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<tbody>
<tr>
<td>Usable sensitivity</td>
<td>200µV</td>
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<tr>
<td>Selectivity</td>
<td>55dB</td>
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<tr>
<td>Image rejection</td>
<td>50dB</td>
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<tr>
<td>I F rejection</td>
<td>35dB</td>
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<tr>
<td>Signal/Noise ratio</td>
<td>45dB</td>
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<td>Harmonic distortion</td>
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<tr>
<td>Remote</td>
<td>Yes</td>
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<tr>
<td>NAD Link</td>
<td>No</td>
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## PHYSICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Dimensions (W x H x D)</td>
<td>435 x 162 x 422mm</td>
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<tr>
<td>Net weight</td>
<td>15.4kg</td>
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<tr>
<td>Shipping weight</td>
<td>16.3kg</td>
</tr>
<tr>
<td>Power consumption (120 - 240V, 50/60Hz)</td>
<td>700VA</td>
</tr>
</tbody>
</table>

* Minimum power per channel, 20Hz - 20kHz, both channels driven with no more than rated distortion.

Dimensions are of unit's cabinet without attached feet; add up to 18mm for total height.

Dimension depth excludes terminals, sockets, controls and buttons.