DHT-590BA
Home Theater System

System Power of 650W 5.1 Home Theater System built for Blu-ray Disc Player High Definition Audio and Video, featuring the Denon AVR-590 receiver and Boston Acoustics MCS 90 speaker system.

Bullet points

AVR-590 Main Features
- **One Cable HD Solution for easy connection**
  - 3 HDMI audio/video inputs
  - High Definition Audio Decoding, Dolby TrueHD and DTS-HD Master Audio format support
  - All sources are upconverted to HDMI
  - 1080p, xvYCC, Deep Color HD video pass-through

No need to adjust volume between TV programs and commercials
- Audyssey Dynamic Volume technology dynamically monitors the input audio signal and automatically adjusts volume level in real time.
- Audyssey Dynamic EQ technology monitors the volume level and provides automatic tonal balance compensation to ensure natural sound quality, even when listening at low volume levels.

Denon Design Solutions for Maximizing Content Quality
- Identical quality and power for all 5 channels, 110W x 5ch (6 ohms)
- Discrete devices for ultimate performance in each block
- New 32-bit floating point high precision DSP
- Dolby Pro Logic IIX 7.1 height channel processing support

Digital Media Connectivity
- iPod Audio/Photo and Video playback (optional ASD-11R)
- Network Audio/Photo Ready (optional ASD-3N/3W and new 51 series)

Boston Acoustics MCS 90 Features
- **Two way design satellite speakers**
  - 3" mid-bass drivers and 1/2" soft dome tweeter
  - Reduced Baffle Diffraction Design for wider, smoother dispersion
  - MagnaGuard video shielding for front and surround speakers
  - Adjustable footings
  - Built-in wall mount brackets
  - Changeable grilles to match your enviroment (optional)

Center speaker
- Dual 3" mid-bass drivers
- 1/2" soft dome tweeter
- Reduced Baffle Diffraction Design for wider, smoother dispersion
- MagnaGuard video shielding
- Adjustable footings
- Built-in wall mount brackets
- Changeable grilles to match your enviroment (optional)

Matching Subwoofer
- 8" down-firing design
- 100 watt power amplifier
- Deep Channel Design (DCD) for more bass from less amplifier power
### AVR-590 Input / Output Terminals:

<table>
<thead>
<tr>
<th>Feature</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMI</td>
<td>3</td>
</tr>
<tr>
<td>Component</td>
<td>2</td>
</tr>
<tr>
<td>S-Video</td>
<td>1</td>
</tr>
<tr>
<td>Composite (Front x1)</td>
<td>4</td>
</tr>
<tr>
<td>Analog Audio (Front x1)</td>
<td>5</td>
</tr>
<tr>
<td>Digital OPTICAL</td>
<td>2</td>
</tr>
<tr>
<td>Digital COAXIAL</td>
<td>1</td>
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</tbody>
</table>

### AVR-590 Main Specifications:

#### Power amplifier section

<table>
<thead>
<tr>
<th>Section</th>
<th>Rated Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front L/R</td>
<td>110 W + 110 W</td>
</tr>
<tr>
<td></td>
<td>(6 ohms, 1 kHz, THD 0.7%)</td>
</tr>
<tr>
<td></td>
<td>75 W + 75 W</td>
</tr>
<tr>
<td></td>
<td>(8 ohms, 20Hz - 20kHz, THD 0.08 %)</td>
</tr>
<tr>
<td>Center</td>
<td>110 W</td>
</tr>
<tr>
<td></td>
<td>(6 ohms, 1 kHz, THD 0.7%)</td>
</tr>
<tr>
<td></td>
<td>75 W</td>
</tr>
<tr>
<td></td>
<td>(8 ohms, 20Hz - 20kHz, THD 0.08 %)</td>
</tr>
<tr>
<td>Surround L/R</td>
<td>110 W + 110 W</td>
</tr>
<tr>
<td></td>
<td>(6 ohms, 1 kHz, THD 0.7%)</td>
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</tr>
</tbody>
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#### Preamplifier section

- Input sensitivity/impedance: 200 mV / 47 kΩ/kohms
- Frequency response: 10 Hz ~ 100 kHz — +1, –3 dB (DIRECT mode)
- S/N Ratio: 98 dB (IHF-A weighted, DIRECT mode)

### General

- Power supply: AC 120 V, 60 Hz
- Dimensions (W x H x D): 434 x 171 x 377 mm
- Weight: 10.8 kg

### DHT-590BA Connections

### MCS 90 Main Specifications:

- Satellite Speakers
  - Nominal Impedance: 8 ohms
  - Dimensions (WxHxD): 321 x 95 x 145 mm
  - Weight: 2.1 kg
- Center Speaker
  - Nominal Impedance: 8 ohms
  - Dimensions (WxHxD): 12 5/8" x 3 3/4" x 5 11/16"
  - Weight: 2.4 lbs
- Subwoofer
  - Power supply: AC 120 V, 60 Hz
  - Dimensions (WxHxD): 390 x 324 x 390 mm
  - Weight: 15.38 lbs

*HDMI cables are not included*