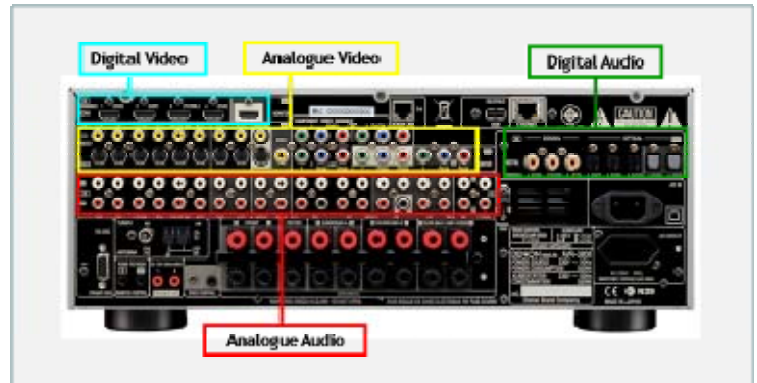


Pure Audio Construction is a group of technologies and design concepts that ensure all Denon AV receivers not only deliver cutting edge digital processing for all audio and video signals but that these premium digital processors are supported by industry best analogue design and construction to deliver Home Entertainment at its best.

Block design:

Audio Video components process many different types of signal in your average home entertainment system, analogue audio, digital audio, analogue video, and digital video as well as control signals. In Denon AV receivers the Denon engineers go to great lengths to ensure that all these different signals are separated and shielded from each other to prevent and minimise any mutual interference between signals to deliver a cleaner distortion free sound and picture.



Vibration Resistant Design:

Denon quality AV receivers are designed to withstand and absorb all types of vibration both from within and external influences. Denon AV receivers are built with a rigid vibration resistant chassis that effectively eliminates any adverse influences on sound and video quality as well long term performance and durability. This design concept is called **Direct Mechanical Ground** where the mains transformer and extruded Aluminium heat-sink are grounded and fastened to the chassis directly across the front feet to form an extremely rigid construction.

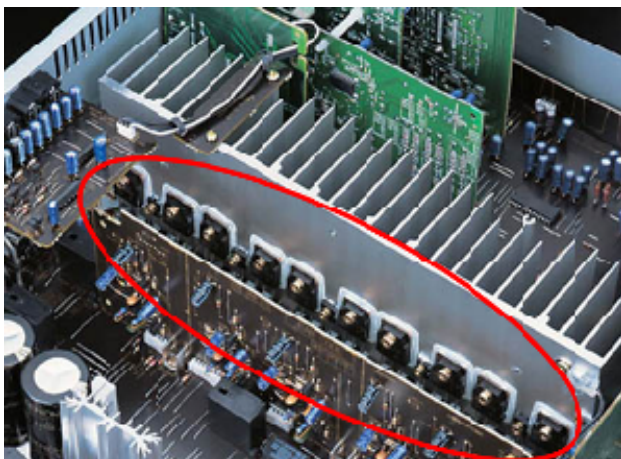
Independent Power supplies:

Denon AV receivers utilise separate power supplies for the amplifier section and a separate power supply for the CPU. The extra large mains transformer employs a design concept called a **"Short ring"** which is an extra external layer of cooper shielding around the transformer coil to reduce magnetic emissions which can add unwanted noise and distortion.



Custom designed and manufactured Block capacitors:

Capacitors are vitally important when it comes to a Denon AV receiver's ability to deliver clean powerful sound to any speaker. To ensure maximum efficiency Denon engineers design and have manufactured specific Block capacitors for each model rather than use derivative versions. To provide these custom made Block capacitors with the best possible feed Denon engineers employ Dual High current diode rectifiers when most other manufacturers use a single standard current device.



All Channels Equal Circuit:

Denon AV receivers deliver equal power and audio quality to all channels. To achieve this Denon engineers employ independent drivers, pre drivers and power transistors for each channel so regardless of sound source each channel will deliver maximum performance at all times.

The new AVR1910 from Denon →

