The AC-3 RF Demodulator is used to convert an RF modulated Dolby Digital signal from the analogue RF output of a laser disc player to S/PDIF (IEC958) format. Sample Rate Systems’ DSP Engine Modules further process the S/PDIF-compatible Dolby Digital signal to a 5.1 channel analog audio signal. The demodulator is an essential part of home theater decoders intended for the North American market.

Specifications

The demodulator converts an RF modulated signal from an LD player to S/PDIF format. The features include:
- Automatic error correction
- A power-off mode that completely turns off the module when not in use thus eliminating unwanted interference with other devices.
- An AC-3 OK signal that indicates the status of the demodulator.
- RF-signal input
- S/PDIF output
- 70x86mm (23/4” x 31/2”)

The Version 3 RF demodulator is based on the new Pioneer µPM4007 chip. The unit can be mounted either inside the receiver or in a separate box.