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Eclectic Parts Selection

In keeping with Rotel's Balanced Design tradition, our engineers specified high performance elements from several cutting-edge suppliers.

For example, Cirrus Logic's CS49400, a 32-bit digital signal processor, decodes surround formats like Dolby Digital EX, Dolby Pro Logic II, DTS ES (matrix and discrete), DTS 96/24, and DTS Neo:6. The CS49400 even has the number-crunching ability to process Rotel's own 7.1-channel Extra Surround mode for enhanced enjoyment of virtually any source. And, of course, HDCD® and MP3 capability, too.

■ 24-bit/128x oversampling AKM analog-to-digital converters and Crystal's 24-bit/192 kHz digital-to-analog converters handle critical domain transitions for superb sound quality.

■ Analog circuitry benefits from high performance Burr-Brown operational amplifiers.

Software Upgradeable? Of course.

Enhanced System Flexibility We've included eight assignable digital audio inputs (five coaxial and three optical) in addition to five A/V analog inputs, each with composite and S-video capability. There's also an eight-channel input to guard against obsolescence.

Getting the signal out again isn't a problem, either. There's the main eight channel audio output. And an additional four digital audio outputs (two coaxial, two optical) to supplement three A/V record outputs, all with composite and S-video connections.

The Video Side

High definition video won't challenge the RSP-1098's 200 MHz bandwidth com-

ponent video inputs, signal paths, and switching ICs. Video monitor outputs for composite, S-, and component video signals deliver the best performance your system can display.

Custom Connections

The RSP-1098 is multi-zone, multi-source capable so you can watch a feature film in your theater room and a network TV show in a bedroom. Main and multi-room infrared inputs let you operate the RSP-1098 from that other room, too. A bi-directional RS-232 jack connects the RSP-1098 with most of today's sophisticated whole home control systems. Separate "On" and "Off" command codes and four assignable 12 "trigger" outputs let you use the RSP-1098 to control an entire system.

Wide-screen Delights

The RSP-1098's integral front panel monitor is a bright LCD display using the latest TFT (thin-film transistor) technology. You'll be able to easily see all the menu choices as you configure your system . . .

. . . or change settings quickly when using your system – such as adding some extra bass "ummpf" to that action movie soundtrack.

Want to navigate those sometimes-extensive DVD-A menus without turning on your TV? That's easy with the RSP-1098.

The integral screen lets you look at another video source, a camera at an entranceway or in a child's bedroom, for example.

Remote Considerations

The RSP-1098 includes the advanced RR-1050 hand-held remote controller. With its own LCD display for instant feedback and backlit for easy use in dark rooms, it replaces up to ten separate units. It's also

programmable so you can teach it command codes for virtually any unit in your home theater system.

Macro capability? The RR-1050 lets you set up to 20 individual multi-command strings, each one composed of up to 20 individual codes. So you can, for example, tell your system to execute a number of commands with the push of a single button!

The RR-1050's sliding cover on the RR-1050 conceals those little-used learning and configuration controls so you can get to the ones you do need more easily.

Expect the Unexpected!

The RSP-1098 offers a truly extraordinary level of sophistication. But there's still more. The RSP-1098 lets you . . .

. . . customize volume control operation for 1, 2, or 5 dB steps.

. . . change subwoofer, center channel, and surround levels "on the fly."

. . . set individual subwoofer levels for Dolby Digital, DTS, and stereo sources.

. . . specify the best crossover frequency for your system's wide range and low frequency speakers individually for each channel!

. . . automatically engage Cinema EQ when you select a particular surround mode.

. . . use "group delay" when needed to synchronize audio and video sources.

The RSP-1098 is, obviously, more than just a surround processor – it's an easily understood portal to enjoyment.

And it's from Rotel, the company with a forty-year track record in providing the best in audio and home theater performance.

RSP-1098

SURROUND SOUND PROCESSOR



Home Theater To The Next Level

Rotel's RSP-1098 surround sound processor/preamplifier brings everything together. Here, you'll find outstanding performance coupled with startling simplicity.

Thank Rotel's Balanced Design philosophy, that disciplined synthesis of physics, electronics, and mechanical engineering guided by our firm belief that the best need not be the most costly.

The RSP-1098 is truly unique as even a cursory look at its front panel will tell you. Instead of a jumbled array of controls and arcane symbols, you'll find an integral LCD color monitor flanked by just a power switch, two knobs, and six miniature pushbuttons.

These elements let even technophobes enjoy the RSP-1098's exceptional performance. And allow more sophisticated users a level of control, system customization, and convenience simply beyond the capabilities of lesser processors.

The Inside Story

The RSP-1098 is all Rotel. That means a power supply built around Rotel-made dual toroidal transformers and special low-ESR storage capacitors for a rock-solid source of operating current and superb isolation between digital and analog sections.

The RSP-1098 uses modular construction borrowed from the computer industry. The benefits from this carefully spaced array of individual circuit cards? Simply better isolation – performance free of the crosstalk and noise inevitable with more crowded designs.



Balanced
Design
Concept.

