EXCEPTIONAL SOUND. NO EXCEPTIONS.

The products you are about to discover in these pages – DVD and CD players, preamplifiers, surround sound processors, power amplifiers, receivers and more – are unique. They come from a high performance home theatre and high fidelity components. We use the word “manufacture” advisedly. We make everything from core components to complete products ourselves. In our own factories. Under our own control. Is this important? Extremely.

Among other things, this integration gives us the opportunity to select everything that goes into a Rotel product. Even down to what we call “board level” parts – the semiconductors and passive circuit elements that distinguish merely competent designs from extraordinary ones. This is an essential part of our Balanced Design Concept.

Balanced Design Concept is a disciplined synthesis of physics, electronics, and mechanical engineering, guided by our firm belief that the best need not be the most costly. Balanced Design begins with basic circuits conceived by an international team of award-winning engineers. It includes an exhaustive evaluation of every part used in those circuits to determine not just which one will do, but which one will do best. Balanced Design also means that we verify every choice we make with the most critical and sensitive laboratory instrument available anywhere – the human ear. That’s why our team of trained critical listeners evaluate every prototype, and then collaborate in fine-tuning basic designs until they fully meet Rotel’s demanding standards.

Balanced Design combines both hard science and experienced intuition to bring you closer to the source…any source, be it music or movies…and to let you hear without compromise exactly what the artists intended you to hear. Nothing more. And certainly nothing less.
Rotel amplifiers: high value audio engineering for the real world.

Of all audio components, the amplifier has arguably the toughest job. It must provide a common interface for a diverse range of source products, including CD, DVD-A, SACD players and PDI PMR phone cartridges. On the one hand, it must provide a low-impedance output to accommodate the varied demands of a wide range in source impedances; on the other, it must be capable of withstanding the considerable demands of a high-powered loudspeaker. In some respects, these two facets are seemingly incompatible, as the amplifier commonly employs source-signal delays in delivering the current swings at high voltages that may vary for just a few milliseconds. Once again, Rotel amplifiers are designed to accommodate these phases, delivering huge increases in channel power without being out of step as the impedance changes. The ability to grapple with almost any loudspeaker load, no matter how difficult, sets Rotel amplifiers apart from the mainstream.

Our published specifications are very conservative, and reflect a maximum continuous current, complementary power amp stages. Our RB-1050 will deliver 20A of current at peak or how distorted the signal. After all, an amplifier that can deliver 20A of current at peak or instantaneous current, is of little benefit without the same output. Our RB-1050 will deliver 470W, Ltd with 10msec peaks at less than 1% distortion, that's nearly 22A of clean current from our least powerful model. Even so, the RB-1050's high voltage and therefore high dynamic current, is of little benefit without the same output. We manufacture tough, reliable transformers that are capable of delivering 225W, 375W and 470W into 1ohm test loads used for measurement purposes. Music is dynamic, a steady state tones typically used for measurement. The success of this balancing act depends on power supply design and circuit layout, especially the ground plane. It is our custom-built transformers, multiple supply regulators and symmetrical topologies of all floating amplifiers that provide the foundation of a performance that's realised in our high-current, complementary power stage area. Our published specifications are very conservative, and reflect a maximum continuous current, complementary power amp stages. Of course, there are other parts to a power supply – rectifiers and voltage regulators, to name but two. These are chosen and configured with the highest quality capacitors – BHC Slit Foils, Aerovox "real." Rotel products simply reproduce sound with greater fidelity to what we know is "real."

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RMR-1048
Rotel’s RMR-1048 is the perfect solution for a wide range of audio applications. To deliver in excess of 8 x 40 watts per channel into 8 ohms (6.5 watts into 4 ohms), it is a natural choice for distributed audio or multi zone use. One amplifier to provide musicality to four stereo pairs, or eight single channels of speakers with individual level controls per pair. You can also add another amplifier for additional subwoofers to enjoy music in every room of the house. Alternatively, the RMR-1048 makes a great home theatre amplifier for today’s multi-zone use. Use one amplifier well suited for fully integrated systems optimised for music reproduction. Separate phono inputs provide easy connection to a variety of turntables.

RMR-1066
The RMR-1066 multi-channel power amplifier is an enormously flexible and powerful amplifier primarily for use in surround sound systems and home audio distribution. The power supply and output circuits are configured for exceptional reserve capability and stability in six channel mode. The RMR-1066 delivers 60 watts R.M.S. each (120 into 46 kg) at 0.05% THD into 8 ohms. In bridge mode (one channel quiescent), power increases to 70 watts R.M.S. each channel.)

RMB-1048
This multi-channel power amplifier delivers 120 watts (all channels driven) thanks to a power supply comprised of a generous 1.6 KVA toroidal transformer and eight 10,000 µf capacitors per channel. 28 output devices, each of which is cooled by 356 kg and 15 pumps of current capability, makes full use of the supply’s potential. The RMB-1048’s generous internal volume and external high wattage/low impedance measurement ensures unilateral reproduction of the most demanding output power. Three rear panel switches (one way and two three-way) make bridging easy and also let the inputs via internal input link, daisy chain outputs and 12 volt trigger.

RMB-1075
The RMB-1075 multi-channel power amplifier is a rugged, smooth performer with a high current capability, making a great home theatre amplifier for today’s demanding custom installation requirements, while providing full use of the supply’s potential. The RMB-1075’s generous internal volume and external high wattage/low impedance measurement ensures unilateral reproduction of the most demanding output power. The three rear panel switches (one way and two three-way) make bridging easy and also let the inputs via internal input link, daisy chain outputs and 12 volt trigger.

RMB-1095
Producing a full kilowatt (1000 watts!) of output power, Rotel’s RMB-1095 is a running realisation of Rotel’s capabilities in amplifier design. It is, for all intents and purposes, a multi-channel version of the RA-1810 stereo power amplifier already recognised as one of the finest amplifiers available at any price. Rated at 200 watts per channel (5 channels driven into 8 ohms, 20 Hz – 20 kHz, less than 0.03% THD), the RMB-1095’s power supply is built around two Rotel made 1.2 kVA toroidal transformers. Eight British made electrolytic capacitors, each with over 15,000 µf of energy storage, combine with thirty 150 watt, BHC Slit Foil capacitors each with over 15,000 µf capacitance, to provide music to four stereo pairs, or eight single channels of speakers with individual level controls per pair.

The Perfectsubsection

Rotel
Distributed Audio 
Multi-Zone
High Quality

PRODUCTS

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Digital amplifier technology has come of age! Key to the remarkable new RMB-1077's design are two proprietary technologies. Rotel's Controlled Oscillation Modulation (COM) underpins entirely new levels of efficiency, stability, and effectiveness from a switching-type digital power supply, while Rotel's Multivariable Enhanced Cascade Control (MECC) circuit topologies creates a "smart" amplifier in which the power supply and the actual amplifying circuits work cooperatively to boost efficiency to a most impressive 90%.

The new RMB-1077 power amp is a very slim, rock-maurt component just under 3 inches tall, while delivering no less than 700 watts - seven fully independent channels of 100W each. This unprecedented combination lends the new Rotel unbeatable appeal for high-performance, seven-channel power in custom-installation home theatres, or wherever super efficient, ultra compact, multi-channel power is required. With the RMB-1077 we're looking at the future of audio amplifiers. Digital technologies and 'smart' power-supply design have finally evolved to the point where they can yield an amplifier that rivals and even outpaces the performance of traditional, brute-force, 'copper-and-capacitors' designs.

The result is a seven-channel, 27/8" tall power amplifier that is far less massive than many two-channel preamplifiers, yet offers a stable, dynamic, musical, full-bandwidth 100W from each channel. The RMB-1077 is ideal for all home-theatre configurations and with 12-volt trigger facilities for automated system integration and a detachable IEC standard power cord, the RMB-1077 integrates easily into any system.

### Model Audio Power Configurations (FTC)

<table>
<thead>
<tr>
<th>Watts/Channel (all channels driven)</th>
<th>Total Harmonic Distortion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continuous Rated Power</td>
<td>One-Half Rated Power</td>
</tr>
<tr>
<td>One Watt per Channel</td>
<td>Intermodulation Distortion (60 Hz:7 kHz 4:1)</td>
</tr>
<tr>
<td>Power Output (4 ohms, 0.09% THD)</td>
<td>Damping Factor (8 ohms)</td>
</tr>
<tr>
<td>Amp Gain</td>
<td>Input Sensitivity/Impedance</td>
</tr>
<tr>
<td>Frequency Response</td>
<td>Signal to Noise Ratio (IHF A-weighted)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Power Requirements</th>
<th>Europe</th>
<th>USA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Consumption</td>
<td>200 Watts</td>
<td>400 Watts</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>432 x 72 x 415 mm</td>
<td></td>
</tr>
<tr>
<td>Panel Height (for rack mounting)</td>
<td>17¹/₈ x 2¹/₈ x 16³/₈ inches</td>
<td></td>
</tr>
<tr>
<td>Weight (net)</td>
<td>7.8 kg / 17.2 lb</td>
<td></td>
</tr>
</tbody>
</table>
Rotel's RSP-1068 surround sound processor/preamplifier offers outstanding performance with startling simplicity. It is truly unique, as even a cursory look at its front panel will tell you. You'll find anintegral LCD color monitor flanked by just a power switch, two knobs and six miniature pushbuttons. These elements on even the cheapest processors are the RSP-1068’s exceptional performance; yet allow more sophisticated users a level of control, system customization and convenience beyond the capabilities of lesser processors.

The power supply is built around sophisticated dual toroidal transformers and special low noise, high current storage capacitors for a robust source of operating current and superb isolation between digital and analogue sections. The RSP-1068 uses modular construction borrowed from the computer industry. The benefits from the carefully coupled array of individual circuit cards are greater isolation and performance free of the crosstalk and noise inevitable with less sophisticated designs.

The RSP-1068 can accommodate up to eight assignable digital audio inputs (five coaxial and three optical) in addition to eight video inputs, each with composite and S-video capability. Outputs include eight main audio outputs, four digital audio (two coaxial, two optical), one tape out, one zone 2 audio select, and three video outputs, all with composite and S-video connections. The world of high definition video won't challenge the RSP-1068 four composite video inputs, video paths, and switching ICs. In addition, composite and S-video inputs can be processed through a transcoder circuit to output all Composite video signals. The result is superior system flexibility and outstanding performance.

Rotel’s RSP-1098 surround sound processor

Rotel’s RSP-1098 processor combines flexibility, superior performance, and easy operation. Flexibility begins with enough inputs and outputs to easily accommodate the most demanding system configurations. You can connect up to eight sources, five of them video, in addition to three assignable digital audio inputs, coaxial and optical. There’s also a front analogue stereo line input for all digital processors. The RSP-1098 includes inputs and switching, front panel display so it precisely confirms all of your A/V input selections. Advanced microprocessors from the computer industry ensure “future proofing.” The RSP-1098 integrates into advanced custom home theatre systems with a RS-232 port, 12-volt trigger outputs, discrete on/off remote control command codes, multizone subwoofer level adjustments mean you can adjust the RSP-1098’s response to perfectly match your preferences. A power switch, two knobs and six miniature pushbuttons. These elements on even the cheapest processors are the RSP-1098’s exceptional performance; yet allow more sophisticated users a level of control, system customization and convenience beyond the capabilities of lesser processors.

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RSP-1098 Surround Sound Processor/Preamp RSP-1068 Surround Sound Processor/Preamp

### Specifications

- **Model:** RSP-1098
- **Category:** Surround Sound Processor/Preamp
- **Input formats:** Decoding: Dolby Digital, DTS, DTS-ES, Dolby Digital EX, DTS Neo:6 (Cinema, Music), DVD-Audio, SACD, Blu-ray, HD DVD, DTS-HD Master, DTS-HD Master, MP3, WMA, AAC, FLAC, WAV, AIFF, DSD, CD, DVD-Audio, SACD, Blu-ray, HD DVD, DTS-HD Master, DTS-HD Master, MP3, WMA, AAC, FLAC, WAV, AIFF, DSD, CD
- **Output formats:** Decoding: Dolby Digital, DTS, DTS-ES, Dolby Digital EX, DTS Neo:6 (Cinema, Music), DVD-Audio, SACD, Blu-ray, HD DVD, DTS-HD Master, DTS-HD Master, MP3, WMA, AAC, FLAC, WAV, AIFF, DSD, CD
- **Input Sensitivity/Impedance:** Line Level: 200 mV / 100K ohms
- **Digital Input:** ±6 dB at 50 Hz / 15 kHz
- **Frequency Response:** Audio: 60 Hz - 7 kHz
- **Intermodulation Distortion:** Total Harmonic Distortion: <0.05%
- **Signal to Noise Ratio:** 95 dB
- **Weight:** 7.6 Kg / 16.75 lbs
- **Dimensions (W x H x D):** 433mm x 165mm x 421mm (USA version), 433mm x 165mm x 421mm (CE version)
- **Power Requirements:** 115 volts, 60 Hz (USA version), 230 volts, 50 Hz (CE version)

### Additional Information

- **Preamp Output Level/Impedance:** 1.0 V / 1K ohm
- **Audio Output Level:** 1.0 Volt
- **Output Impedance:** 75 ohms
- **Signal to Noise Ratio (IHF A-weighted):** 95 dB
- **Frequency Response:** 3 Hz - 100 MHz, ± 3 dB (Component Video)
- **Video:** MPEG Multi-channel

### Compare to Similar Models

- **RSP-1068:**
  - **Model:** Surround Sound Processor/Preamp
  - **Input formats:** Decoding: Dolby Digital, DTS, DTS-ES, Dolby Digital EX, DTS Neo:6 (Cinema, Music), DVD-Audio, SACD, Blu-ray, HD DVD, DTS-HD Master, DTS-HD Master, MP3, WMA, AAC, FLAC, WAV, AIFF, DSD, CD
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  - **Power Requirements:** 115 volts, 60 Hz (USA version), 230 volts, 50 Hz (CE version)

- **RSP-1098 Surround Sound Processor/Preamp**
Digital Direct Progressive Scan (NTSC and PAL) lets you watch the video outputs include composite, SCART, S-video and component video. Total harmonic distortion is no exception. An advanced pulse circuit and individually regulated supply stages generate optimal voltages. Critical audio and video D/A converters are all wideband designs usually handle the often difficult “domain transition” with aplomb. Logic/Crystal Semiconductor 24-bit/192 kHz digital-to-analogue converters with virtually any whole-home control system. A 12 volt trigger input and rear demands. Indeed, the bi-directional RS-232 data port ensures compatibility with virtually any whole-home control system. A 12 volt trigger input and rear.

Rotel’s new RDV-1060 single-disc DVD player is as remarkably flexible as it is exceptionally affordable. The advanced optical transport system reads DVD-A, DVD-V, CD, CDR, CD-RW, CD-V, and MP3 encoded discs. A high-rigidity disc platform means fewer data errors, less correction, and better sound quality. Three advanced Cirrus Logic/Crystal Semiconductor 24-bit/192 kHz digital-to-analogue converters are used to handle the often difficult “domain transition” with aplomb. On the video side, the RDV-1060 complements any home theatre system with composite, SCART and component video outputs fed by a high-speed 12-bit digital-to-analogue converter. In addition, the RDV-1060’s progressive video capability (NTSC and PAL) provides superlative picture quality for even very large screen home theatre systems. The RDV-1060 is also designed to make full use of today’s multiple demands. Indeed, the bi-directional RS-232 data port ensures compatibility with virtually any whole-home control system. A 12 volt trigger input and rear panel IR (infrared) jacks make the RDV-1060 the perfect player for the highest performance systems.
The RSX-1067 is the definitive home theatre surround-sound receiver. It gets all the elements right with a high capacity power supply built around a massive toroidal transformer to deliver precise amounts of voltage and current to all active circuitry. The payoff is in real performance – in both brute power and in the sonic subtleties important to the most discerning audiophile. When driving a multi-channel speaker array for example, the RSX-1067 delivers 100 high-current watts from each of its seven amplifiers. Does it satisfy your surround needs? Then use the remaining two channels for audio in a second room!

The RSX-1067 has enough inputs and outputs to meet almost any system configuration. Custom ID capability lets you program the front panel display for instant source identification. Assignable digital inputs let you match the RSX-1067 to your chosen roster of sources. For the audio purist there’s even a mode that bypasses all digital processing. You’ll even find 30 AM/FM presets for instant access to your favorite radio stations.

Advanced microprocessors from Crystal Semiconductor handle Dolby Digital (complete with dynamic range adjustments), Dolby EX, DTS and Dolby Pro Logic IIx decoding. The RSX-1067 automatically detects and decodes DTS ES, DTS ES Discrete, HCDD, and MPEG encoded audio and provides several music modes for optimum enjoyment of all sources. Jitter and ripple-free digital-to-analogue conversion ensures the highest sound quality.

Multi-zone, multi-source audio and HDTV video capability? Of course. Thanks to high performance video switching (with bandwidth over 200MHz!), the RSX-1067 handles three component video sources and provides a component video output for high resolution monitor viewing. Furthermore, internal video transcoding capability means all video sources, even those with just composite and S-video outputs, will look their best.

The RSX-1067 boasts a full complement of convenience features, too. You can specify both turn-on and maximum volume settings, specify volume control tracking or “speed,” select group delay to accurately sync video and audio. You’ll benefit from an advanced, comprehensive, yet simple-to-use speaker set-up menu to tailor your system exactly to your specifications.

For custom installations, the RSX-1067 includes a RS-232 interface, three assignable 12 volt trigger outputs, discrete on/off remote control command codes, rear panel IR inputs, and a detachable AC power cord. The fully programmable RR-1050 remote control is standard.
The RSX-1056 is Rotel’s most affordable surround sound receiver but certainly doesn’t sacrifice performance or features! The high current amplifier section puts a full 75 watts RMS per channel at your sonic disposal (that’s with all five channels driven simultaneously from 20 Hz to 20 kHz with no more than 0.05% THD!). In the real world, this is far more power than you’ll find in other products that provide only two-channel ratings. Of course, superb power supply design helps here as does careful parts evaluation and selection. But that’s simply part of Rotel’s Balanced Design heritage.

Concerned about future needs? A larger room, for example? Or, an eventual move to full 7.1 surround capability? The RSX-1056 features a “Redirect” option that handles all of this with the simple addition of a two-channel amplifier for the front channels. How’s that for an “enjoy now and enjoy more later” approach?

Rotel hasn’t forgotten convenience either. The RSX-1056 provides analogue and digital connections for up to seven additional components. The RSX-1056 even allows you to re-label inputs, assign inputs, perform advanced bass management and equalise channels. Advanced microprocessors from Crystal Semiconductor handle Dolby Digital, Dolby Digital EX, DTS, DTS ES Discrete and Matrix, DTS 24/96, DTS Neo:6 and Dolby Pro Logic IIx decoding and provide several music modes for your enjoyment, too. Three component inputs and internal video transcoding let you see the best picture possible regardless of your source.

The RSX-1056 is perfect for custom installations. There’s an RS-232 interface, multi-room, multi-source with composite video, three assignable 12 volt trigger outputs, discrete on/off remote control commands (for three assignable commands), rear panel IR inputs, and a detachable AC power cord. The fully programmable RR-1050 remote-control is standard.

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### Technical Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Continuous Amplifier Power</strong></td>
<td></td>
</tr>
<tr>
<td>(Number of channels driven)</td>
<td></td>
</tr>
<tr>
<td>(Five Channel Driven)</td>
<td>75 watts/ch (20-20k Hz, &lt;0.05% THD, 8 ohms)</td>
</tr>
<tr>
<td>(Two Channels Driven)</td>
<td>100 watts/ch (1kHz, &lt;1.0% THD, 8 ohms, DIN)</td>
</tr>
<tr>
<td><strong>Total Harmonic Distortion</strong></td>
<td>&lt;0.09 %</td>
</tr>
<tr>
<td><strong>Intermodulation Distortion (60 Hz:7 kHz)</strong></td>
<td>&lt;0.05 %</td>
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<tr>
<td><strong>Frequency Response</strong></td>
<td>10 Hz - 120 KHz, ± 3 dB</td>
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<tr>
<td><strong>Analogue Bypass</strong></td>
<td>10 Hz - 95 KHz, ± 3 dB</td>
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<tr>
<td><strong>Signal to Noise Ratio (IHF A-weighted)</strong></td>
<td>95 dB</td>
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<tr>
<td><strong>Analogue Bypass</strong></td>
<td>92 dB</td>
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<tr>
<td><strong>Digital Input</strong></td>
<td>95 dB</td>
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<tr>
<td><strong>Signal to Noise Ratio (0 dBFS)</strong></td>
<td>92 dB</td>
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<tr>
<td><strong>Input Sensitivity/Impedance</strong></td>
<td>Line Level: 200 mV/100K ohms</td>
</tr>
<tr>
<td><strong>Contour (LF / HF)</strong></td>
<td>± 6 dB at 50 Hz / 15 KHz</td>
</tr>
<tr>
<td><strong>Preamp Output Level/Impedance</strong></td>
<td>1.0 V / 1K ohm</td>
</tr>
<tr>
<td><strong>Decodable Input Signal</strong></td>
<td>Dolby Digital, Dolby Digital EX, Dolby Prologic IIx, DTS, DTS ES, DTS96/24, LPCM (up to 192K), HDCD, MP3, MPEG Multichannel</td>
</tr>
<tr>
<td><strong>Video</strong></td>
<td>3 Hz - 10 MHz, ± 3 dB (Composite, S-Video)</td>
</tr>
<tr>
<td><strong>Signal to Noise Ratio</strong></td>
<td>45 dB</td>
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<tr>
<td><strong>Input Impedance</strong></td>
<td>75 ohms</td>
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<tr>
<td><strong>Output Impedance</strong></td>
<td>75 ohms</td>
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<tr>
<td><strong>Output Level</strong></td>
<td>1.0 Volt</td>
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<tr>
<td><strong>FM Tuner</strong></td>
<td>Usable Sensitivity 500 uV/m 450 watts, Standby</td>
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<tr>
<td><strong>Signal to Noise Ratio (at 65 dBf)</strong></td>
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<td><strong>Harmonic Distortion (at 65 dBf)</strong></td>
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</tr>
<tr>
<td><strong>Stereo Separation (1 kHz)</strong></td>
<td>45 dB</td>
</tr>
<tr>
<td><strong>Output level</strong></td>
<td>1 V</td>
</tr>
<tr>
<td><strong>Antenna Input</strong></td>
<td>14.2 dBf</td>
</tr>
<tr>
<td><strong>General</strong></td>
<td>70 dBf</td>
</tr>
<tr>
<td><strong>Power Consumption</strong></td>
<td>0.03%</td>
</tr>
<tr>
<td><strong>Power Requirements</strong></td>
<td>45 dB</td>
</tr>
<tr>
<td><strong>(AC)</strong></td>
<td>1 V</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>Loop Antenna 500 mV</td>
</tr>
<tr>
<td><strong>(W x H x D)</strong></td>
<td>75 ohms</td>
</tr>
<tr>
<td><strong>Weight (net)</strong></td>
<td>1 V</td>
</tr>
<tr>
<td><strong>Front Panel Height (for rack mount)</strong></td>
<td>75 ohms</td>
</tr>
</tbody>
</table>

---

**Note:** All specifications are based on Rotel’s Balanced Design heritage.
The latest interpretation of a classic Rotel award-winning power amplifier, the RB-1070 continues the tradition of excellent transient response and high capacity power supply in addition. Symmetrical Signal Trace circuit topology assures the precise interchannel timing critical necessary for a pinpoint stereo replication. At 330 watts per channel, the RB-1070 is more than capable of meeting the challenge of the world’s most efficient tweeter speakers. An internal braided oxygen free copper primary minimal 300 watt output supply. Rectifier power LED indicators show power, protection, and bridged mode for instant system analysis. A separate input and output for 12 volt trigger signals and detachable AC cord make this amplifier well suited for total integration with even the most complex remote controlled systems or processors.

Buffered line level outputs allow multiple amplifiers and “bullet-proof” circuitry. A multi-mode amplifier, the RB-1070 combines audiophile sound quality and total integration with even the most complex remote controlled systems or processors. Individual sensitivity adjustments ensure precise control of virtually all speakers. 12 watt output capability for 8 ohms per channel.

12 volt trigger signals and detachable AC cord increase this amplifier's flexibility by allowing remote operation of this amplifier. Installs into demanding 4 ohm loads.

The RB-1070 rests close to the pinnacle of rotel's two channel power amplifier offerings. Power output (200 watts per channel into 8 ohms) is extraordinary. The Rotomate toroidal transformer feeds separate power supplies for each channel. British-made BHC Slit Foil storage capacitors provide quick charge/discharge times for instantaneous response and single-ended (RCA) inputs and dual sets of high quality toroidal output transformers significantly improve overall performance. A chassis and power cord, the RB-1090 delivers essentially two separate amplifiers sharing only the chassis and power cord, the RB-1090 delivers.

The RB-1080 rests close to the pinnacle of Rotel's two channel power amplifier offerings. Power output (200 watts per channel into 8 ohms) is extraordinary. The Rotomate toroidal transformer feeds separate power supplies for each channel. British-made BHC Slit Foil storage capacitors provide quick charge/discharge times for instantaneous response and single-ended (RCA) inputs and dual sets of high quality toroidal output transformers significantly improve overall performance.

Each of the RB-1090's two totally independent power supplies is based on a large 1.25 kVA British-made, multiple-secondary toroidal transformer and four 22,000 µf British-made Slit Foil storage capacitors. The result is a chassis and power cord, the RB-1090 delivers essentially two separate amplifiers sharing only the chassis and power cord, the RB-1090 delivers.

The RB-1090 rests close to the pinnacle of Rotel's two channel power amplifier offerings. Power output (200 watts per channel into 8 ohms) is extraordinary. The Rotomate toroidal transformer feeds separate power supplies for each channel. British-made BHC Slit Foil storage capacitors provide quick charge/discharge times for instantaneous response and single-ended (RCA) inputs and dual sets of high quality toroidal output transformers significantly improve overall performance. A chassis and power cord, the RB-1090 delivers essentially two separate amplifiers sharing only the chassis and power cord, the RB-1090 delivers.
**Stereo Pre-Amplifiers**

**RC-1070**
Optimized for the real-world audiophile who demands flexibility and sound quality at an affordable price, the RC-1070 preamplifier delivers an extraordinary level of satisfaction. Featuring traditional Rotel engineering prowess, this unit features a power supply based on a custom-made toroidal transformer. The RC-1070 provides six line-level inputs in addition to a carefully engineered phono input for moving magnet and high output moving coil cartridges. A convenient contour control allows easy and repeatable timbre adjustments. With two sets of main outputs, a 12 volt trigger jack, and a Rotel-system remote-control for both the preamplifier and a companion Rotel CD, tuner or DVD player, the RC-1070 brings the flexibility and sound quality of Rotel separates within easy reach.

**RC-1090**
The RC-1090 is the latest expression of Rotel’s continuing dedication to providing the finest components for traditional two-channel music reproduction. Beginning with a custom Rotel made toroidal transformer, the low output impedance power supply makes extensive use of the new ultra-fast T-Network capacitors. Circuits for each channel follow Symmetrical Circuit Trace strategy to ensure precise timing, pinpoint imaging, and accurate soundstaging. Rigorous parts selection includes metal foil resistors, polystyrene, and polypropylene signal capacitors. The output stage is particularly noteworthy for its high current, low impedance design which provides substantial current reserves for driving even the most difficult interconnect/amplifier combinations.

**Flexibility?** The RC-1090 boasts eight inputs, including a low noise, high overload MM/MC phono stage and a balanced input with XLR connectors. A centrally located information display provides instant system status checks. Separate Listen and Record selectors provide additional capability. Balanced XLR outputs supplement the industry-standard RCA connections and make the RC-1090 an ideal match for all high performance amplifiers. A programmable remote control, RS-232 interface, two 12 volt trigger outputs, a detachable AC cord and discrete on/off remote control command codes compliment the RC-1090’s exceptional performance.

**RC-1070 & RC-1090**

<table>
<thead>
<tr>
<th>Specification</th>
<th>RC-1070</th>
<th>RC-1090</th>
</tr>
</thead>
<tbody>
<tr>
<td>THD(20-20kHz)</td>
<td>0.006%</td>
<td>0.004%</td>
</tr>
<tr>
<td>IM Distortion</td>
<td>0.006% @ 1v out</td>
<td>0.004% @ 1v out</td>
</tr>
<tr>
<td>Input Sens. / Impedance</td>
<td>Phono (MC)</td>
<td>250 mV / 100 ohms</td>
</tr>
<tr>
<td></td>
<td>Phono (MM)</td>
<td>150 mV / 18 K ohms</td>
</tr>
<tr>
<td></td>
<td>Line level inputs</td>
<td>16 mV / 160 mV</td>
</tr>
<tr>
<td>Phono Overload (MC/MM)</td>
<td>1V / 100 ohms</td>
<td>—</td>
</tr>
<tr>
<td>Output Sens. / Impedance</td>
<td>Frequency Response</td>
<td>20-20k Hz (±0.2dB)</td>
</tr>
<tr>
<td></td>
<td>Phono input</td>
<td>20-20k Hz (±0.5dB)</td>
</tr>
<tr>
<td></td>
<td>Line Level Input</td>
<td>4-100k Hz (+0, -3dB)</td>
</tr>
<tr>
<td>Tone Control</td>
<td>Bass</td>
<td>+3 dB or +4 dB at 100 Hz</td>
</tr>
<tr>
<td></td>
<td>Treble</td>
<td>+3 dB at 10 KHz</td>
</tr>
<tr>
<td>S/N Ratio (IHF A)</td>
<td>Phono (MC)</td>
<td>70 dB</td>
</tr>
<tr>
<td></td>
<td>Phono (MM)</td>
<td>75 dB</td>
</tr>
<tr>
<td></td>
<td>Line Level Input</td>
<td>70 dB</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>10 watts</td>
<td>100 dB</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>430 x 92 x 334mm</td>
<td>433 x 125 x 334mm</td>
</tr>
<tr>
<td>Front Panel Height</td>
<td>80 mm, 3.1&quot;</td>
<td>109 mm, 4.3&quot;</td>
</tr>
<tr>
<td>Weight (net)</td>
<td>5.4 kg / 11.9 lbs</td>
<td>7.8 kg / 17.2 lbs</td>
</tr>
</tbody>
</table>
 retrospective Rotel's highly acclaimed "audiophile" DVD players. The remarkable new Burr-Brown PCM-converters deliver an audio experience that is still available – and still outperforming many so-called "audiophile" products.

* RDS functions determined by your local radio stations.

The RA-1062 is the evolution of Rotel's highly regarded RA-1060. The design team spent hundreds of hours honing individual component performance to achieve the sonic performance that has made Rotel a household name for decades. Rotel's engineers continued to push the boundaries of excellence, resulting in a CD player that offers a generous assortment of features and uncommon convenience.

### Specifications

- **Dimensions:** 433 x 121 x 334mm
- **Weight:** 9.1 Kg / 20 lbs
- **Power Consumption:** 115 Volts, 60 Hz (USA version)
- **Line Input Overload:** +3dB at 10kHz
- **IM Distortion (rated power):** < 0.03%, max
- **THD (20-20 kHz, < 0.03%, 8 ohms):** < 0.05%
- **Damping Factor (8 ohms):** > 500
- **Frequency Response:** 4-100kHz (+/- 3db)
- **Usable Sensitivity:** 2.4mV / 2kOhms
- **Signal to Noise Ratio:** > 100dB
- **Dynamic Range:** 110 dB
- **Wow & Flutter:** < 0.03%

The RA-1062 offers a generous assortment of features and uncommon convenience.

---

**RA-1062 Integrated Amplifier**

- **Continuous Power Output (at 20-20 kHz, < 0.03%, 8 ohms):** 200W/200W
- **THD (20-20,000Hz):** < 0.05%
- **Damping Factor (8 ohms):** > 500
- **Frequency Response:** 4-100kHz (+/- 3db)
- **Usable Sensitivity:** 2.4mV / 2kOhms
- **Signal to Noise Ratio:** > 100dB
- **Dynamic Range:** 110 dB
- **Wow & Flutter:** < 0.03%

The RA-1062 offers a generous assortment of features and uncommon convenience.

---

**RA-1070 Integrated Amplifier**

- **Continuous Power Output (at 20-20 kHz, < 0.03%, 8 ohms):** 200W/200W
- **THD (20-20,000Hz):** < 0.05%
- **Damping Factor (8 ohms):** > 500
- **Frequency Response:** 4-100kHz (+/- 3db)
- **Usable Sensitivity:** 2.4mV / 2kOhms
- **Signal to Noise Ratio:** > 100dB
- **Dynamic Range:** 110 dB
- **Wow & Flutter:** < 0.03%

The RA-1070 offers a generous assortment of features and uncommon convenience.

---

**RA-1080 High Resolution CD Player**

- **Frequency Response:** 10 Hz-15 kHz, ± 3 dB
- **Wow & Flutter:** < 0.03%
- **THD (20-20 kHz, < 0.03%, 8 ohms):** < 0.05%
- **Damping Factor (8 ohms):** > 500
- **Frequency Response:** 4-100kHz (+/- 3db)
- **Usable Sensitivity:** 2.4mV / 2kOhms
- **Signal to Noise Ratio:** > 100dB
- **Dynamic Range:** 110 dB
- **Wow & Flutter:** < 0.03%

The RA-1080 offers a generous assortment of features and uncommon convenience.

---

**RA-1072 High Resolution CD Player**

- **Frequency Response:** 10 Hz-15 kHz, ± 3 dB
- **Wow & Flutter:** < 0.03%
- **THD (20-20 kHz, < 0.03%, 8 ohms):** < 0.05%
- **Damping Factor (8 ohms):** > 500
- **Frequency Response:** 4-100kHz (+/- 3db)
- **Usable Sensitivity:** 2.4mV / 2kOhms
- **Signal to Noise Ratio:** > 100dB
- **Dynamic Range:** 110 dB
- **Wow & Flutter:** < 0.03%

The RA-1072 offers a generous assortment of features and uncommon convenience.
If one phrase describes Rotel’s elegant new 02 Series components, that phrase is “passionate restraint.” The 02 Series speaks directly to your passion for music with components that reflect our passion for accurately recreating it in your home.

Each model benefits from the intelligent restraint inherent in superior human engineering. Touch can cause, unadulterated design executed in sandblasted, anodised aluminum and finished in either striking satin silver or rich black. You’ll enjoy inviting controls that intuitively lead you into the music you value most. You’ll hear highly refined stereo performance that conveys both a composition’s spirit and a performance’s soul.

Every component in the 02 Series is yet another benchmark in Rotel’s 44 year tradition of excellence. Each highlights the outstanding benefits of our award-winning Balanced Design philosophy, a disciplined synthesis of physics, electronics and mechanical engineering, guided by our firm belief that the best need not be the most costly. Meticulously tuned to meet the most demanding sonic standards, each 02 Series component will bring you as close to music’s inspirational power as the art allows. And 02 Series components combine to form an entire system that virtually defines the phrase “sonic synergy.” Indeed, you can combine 02 Series components in various ways to configure a system that precisely matches your needs.

**RC-03 Preamplifier**

This extraordinarily flexible preamplifier has everything you’ll need for precise system control either at the RC-03 itself or from across a room with its comprehensive system remote control capability. The purist circuit paths, superb examples of “minimalist” design, provide the ultimate in sonic accuracy and musicality. Inputs include five line-level sources and a MM phono input, all buffered by high current IC’s from the standard-setting Burr-Brown company. Following our tradition of Balanced Design, power supply and analogue circuit parts come from an array of internationally acclaimed suppliers to provide outstanding low-noise, low distortion operation. A headphone jack allows private listening. The RC-03’s 12 volt trigger outputs permit transparent remote turn-on and turn-off of its matching power amplifier and other 02 Series components.

**RB-03 Power Amplifier**

A superb example of international design prowess, the RB-03 stereo power amplifier benefits both from robust engineering and the subtle touches that denote true craftsmanship. The Rotel manufactured high capacity toroidal transformer and British-made slit-foil capacitors combine for instantaneous reproduction of the most demanding musical transients. Power, at 70 watts per channel RMS, is more than adequate for virtually any application. An internal bridge network increases power output to 180 watts (x 1) and allows easy system upgrading by simply adding a second RB-03 if desired, to enjoy the dynamics inherent in a system developing 360 watts of power in total.

<table>
<thead>
<tr>
<th>Model</th>
<th>Total Harmonic Distortion (20Hz - 20KHz)</th>
<th>Preamp Output / Impedance</th>
<th>Dimensions (W x H x D)</th>
<th>Weight (net)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RC-03</td>
<td>&lt;0.004%</td>
<td>1.0V / 100 ohms</td>
<td>435 x 72 x 342 mm</td>
<td>17 lb 1 oz</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Continuous Power Output (20-20 kHz, &lt; 0.03%, 8 ohms)</th>
<th>Bridged Mono Power Output (20-20 kHz, &lt; 0.1%, 4 ohms)</th>
<th>Total Harmonic Distortion (20Hz-20kHz, 8 ohms)</th>
<th>Input Impedance/Sensitivity</th>
<th>Dimensions (W x H x D)</th>
<th>Weight (net)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RB-03</td>
<td>70 watts/ch</td>
<td>180 watts (200 watts at 1kHz)</td>
<td>&lt; 0.03%</td>
<td>33 k Ohms/1.0 volt</td>
<td>435 x 92 x 342 mm</td>
<td>16.54 lbs</td>
</tr>
</tbody>
</table>
The RA-03 70 watt RMS x 2 integrated amplifier combines as it does the pre-amplifier section and loudspeaker control. In addition to a high efficiency Rotel amplifier section of the critically acclaimed RB-03 power amplifier, the RA-03 employs electronic protection noise-resistors. The RA-03 employs newly sourced American made low quality and quick response storage capacitors for detailed, balanced and pure music. A superbly designed analogue stage combines the advantages of "minimalist" components add to this integrated amplifier's flexibility.

Critical to achieving audiophile sound quality, utilizing high grade power supply parts and refined circuitry. The RA-03 features a Rotel manufactured highly efficient transformer designed with meticulous performance, utilizing high quality storage capacitors for instant response and quick musical peaks. Premium quality A/B tone control makes your system as easy to use as it is to enjoy.

RA-02 Integrated Amplifier

This integrated amplifier traces its lineage directly to the critically acclaimed RA-01 Integrated Amplifier and a 12 volt trigger that provides remote turn-on/turn-off convenience of remote control to one of the most praised RA-02 Integrated Amplifier making your system as easy to use as it is to enjoy.

Improper speaker cable connections. The RA-03 comes with a 24.5mm “complete system” remote control making your system as easy to use as it is to enjoy.

Frequency Response

Input Overload

Distortion

Watts/Channel

THD (20-20kHz)

Weight (Net)

Dimensions (W x H x D)

Premp Output /

S/N Ratio (IHF A Network)

0.03%, max

±6dB (10KHz)

5V

90 dB

20-15kHz (+/- 0.3dB)

1V / 470 Ohms

90 dB

1V

20Hz - 20kHz

2.5mV / 47kOhms

>98dB

2.5mV

20Hz - 15kHz

150mV / 24kOhms

>96dB

0.5Vpp

10Hz - 100kHz (+/- 1dB)

180mV

10-100kHz (+/- 1dB)

0.03%, max

80 dB

±6dB (100Hz)

10-15kHz (+/- 3dB)

1V

8V

(100Hz/1kHz/10kHz)

47dB (±400 kHz)

40 Watts/ch

220 Watts

180 Watts

0.2% (mono)

0.3% (stereo)

FM Harmonic Distortion

IF Rejection Ratio

Group Delay

Spurious Response

Alt Chan. Selectivity

FM Capture Ratio

Stereo Separation

AM Sensitivity

AM Selectivity

FM Sidebands

IF Rejection Ratio

HD Sound

MD Sound

RCD-02 CD Player

The RCD-02 single disc CD player will make any audiophile or enthusiast, including budgetовой enthusiasts, happy. The RCD-02 provides the advanced 1-bit DAC in a digital signal processor circuit. A perfect balance between speed and precision. 1-bit DAC delivers superior sound performance and reproduces almost all music formats. The RCD-02 single disc CD player is a perfect complement to any system. The RCD-02 delivers audiophile sound quality, utilizing high grade power supply parts and refined circuitry. The RCD-02 employs electronic protection noise-resistors. The RCD-02 employs newly sourced American made low quality and quick response storage capacitors for detailed, balanced and pure music. A superbly designed analogue stage combines the advantages of "minimalist" components add to this integrated amplifier's flexibility.

Critical to achieving audiophile sound quality, utilizing high grade power supply parts and refined circuitry. The RCD-02 features a Rotel manufactured highly efficient transformer designed with meticulous performance, utilizing high quality storage capacitors for instant response and quick musical peaks. Premium quality A/B tone control makes your system as easy to use as it is to enjoy.

Frequency Response

Input Overload

Distortion

Watts/Channel

THD (20-20kHz)

Weight (Net)

Dimensions (W x H x D)

Premp Output /

S/N Ratio (IHF A Network)

0.03%, max

±6dB (10KHz)

5V

90 dB

20-15kHz (+/- 0.3dB)

1V / 470 Ohms

90 dB

1V

20Hz - 20kHz

2.5mV / 47kOhms

>98dB

2.5mV

20Hz - 15kHz

150mV / 24kOhms

>96dB

0.5Vpp

10Hz - 100kHz (+/- 1dB)

180mV

10-100kHz (+/- 1dB)

0.03%, max

80 dB

±6dB (100Hz)

10-15kHz (+/- 3dB)

1V

8V

(100Hz/1kHz/10kHz)

47dB (±400 kHz)

40 Watts/ch

220 Watts

180 Watts

0.2% (mono)

0.3% (stereo)

FM Harmonic Distortion

IF Rejection Ratio

Group Delay

Spurious Response

Alt Chan. Selectivity

FM Capture Ratio

Stereo Separation

AM Sensitivity

AM Selectivity

FM Sidebands

IF Rejection Ratio

HD Sound

MD Sound
RDV-03 DVD player

The RDV-03 includes classic Rotel performance, features and styling in an attractive, compact chassis that can fit in any stereo space. It is a precision Rotel is a versatile component, both in size and quality. The RDV-03 is ideal for use in any hi-fi, hi-fi, and as a stop-gap component to accentuate your favorite movie. It is also scalable at any budget. The RDV-03 offers a wide range of features for an affordable price. It is designed to accentuate your movie and music convenience.

RDV-03 DVD player features:
- Dolby Digital, dts
- Analog bypass
- Digital output
- 5-channel driven
- Signal to Noise Ratio: 65 dB
- Frequency Response: 2 Hz to 22 kHz
- Usable Sensitivity: 0.286 V(p-p)/75 ohm
- Input Impedance: 75 ohms unbalanced
- Picture quality of the
- Progressive-scan-generated picture quality of the
- Listening tests for superior sound and long-term
- Comprehensive parts evaluation, and extensive
- Rotel's Balanced Design Concept technology, deliver a performance that will stop you
- Digital formats:
- Optical:
- Coaxial:
- Audio Input (DIGITAL IN):
- Audio Output Power, Surround operation:
- Output Power, Stereo Operation:
- Amplifier Model
- Input Sensitivity/Impedance
- Frequency Response
- Continuous Amplifier Power
- Audio Model
- Video Mode
- Disc Compatibility
- Video
- RSDX-02
- RSX-03

RSDX-02 Series: RDV-03 DVD player, RSX-03 A/V Receiver, RSDX-02 DVD Receiver

RSDX-02 DVD Receiver

For sound and vision that
- Rotel RDV-03 DVD player for sound and vision that
- Reliable. Partner it with the exceptional,
- Listening tests for superior sound and long-term
- Comprehensive parts evaluation, and extensive
- Rotel's Balanced Design Concept technology, deliver a performance that will stop you
- Av receiver's advanced multi-channel audio
- Digital formats:
- Optical:
- Coaxial:
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- RSX-03

RSX-03 A/V Receiver

Why just watch a movie? Why not experience it to
- Stations. The included RR-1070 remote gives easy
- Presets to offer instant access to preferred radio
- Action movies. The tuner section provides 30
- Digital formats:
- Optical:
- Coaxial:
- Audio Input (DIGITAL IN):
- Audio Output Power, Surround operation:
- Output Power, Stereo Operation:
- Amplifier Model
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- Digital formats:
- Optical:
- Coaxial:
- Audio Input (DIGITAL IN):
- Audio Output Power, Surround operation:
- Output Power, Stereo Operation:
- Amplifier Model
- Input Sensitivity/Impedance
- Frequency Response
- Continuous Amplifier Power
- Audio Model
- Video Mode
- Disc Compatibility
- Video
- RSDX-02
- RSX-03

RSDX-02 DVD Receiver

For sound and vision that
- Rotel RDV-03 DVD player for sound and vision that
- Reliable. Partner it with the exceptional,
- Listening tests for superior sound and long-term
- Comprehensive parts evaluation, and extensive
- Rotel's Balanced Design Concept technology, deliver a performance that will stop you
- Av receiver's advanced multi-channel audio
- Digital formats:
- Optical:
- Coaxial:
- Audio Input (DIGITAL IN):
- Audio Output Power, Surround operation:
- Output Power, Stereo Operation:
- Amplifier Model
- Input Sensitivity/Impedance
- Frequency Response
- Continuous Amplifier Power
- Audio Model
- Video Mode
- Disc Compatibility
- Video
- RSDX-02
- RSX-03

RSX-03 A/V Receiver

Why just watch a movie? Why not experience it to
- Stations. The included RR-1070 remote gives easy
- Presets to offer instant access to preferred radio
- Action movies. The tuner section provides 30
- Digital formats:
- Optical:
- Coaxial:
- Audio Input (DIGITAL IN):
- Audio Output Power, Surround operation:
- Output Power, Stereo Operation:
- Amplifier Model
- Input Sensitivity/Impedance
- Frequency Response
- Continuous Amplifier Power
- Audio Model
- Video Mode
- Disc Compatibility
- Video
Warranties may vary from market to market. Please contact your local distributor for details. Your statutory rights are not affected.

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RSP-1098 Surround Sound Processor
RSP-1068 Surround Sound A/V Processor
RSP-1087 Surround Sound A/V Receiver
RSX-1056 Surround Sound A/V Receiver
RSX-1067 Surround Sound A/V Receiver

Back Panels